FIG. 1a

```
                                αB          β1   nucleotide-binding loop   β2
EGF-R2   806   MDPDELPLDEHCERLPYDASKWEFPRDRLKLGKPLGRGAFGQVEADAFGIDKTATCR--   863
GFR1     456   ---MLAGVSEY--ELP-EDPRWELPRDRLVLGKPLGEGCFGQVLAEAIGLDKDKPNRVT   509
RK       978   ---------VFPCSVYVPDEWEVSREKITLLRELGQGSFGMVEGNARDIIKGEAE--T   1025
EGF-R1   799   MDPDEVPLDEQCERLPYDASKWEFARERLKLGKSLGRGAFGKVQASAFGIKKSPTCR--   856
DGFRα    576   ----------DPMQLPYD-SRWEFPRDGLVLGRVLGSGAFGKVEGTAYGLSRSQPVM--   622

                 β3          αC                      β4            β5
EGF-R2   864   TVAVKMLKEGATHSEHRALMSELKILIHIGHHLNVVNLLGACTKPGGPLMVIVEFCKFGN   923
GFR1     510   KVAVKMLKSDATEKDLSDLISEMEMMKMIGKHKNIINLLGACT-QDGPLYVIVEYASKGN   568
RK       1026  RVAVKTVNESASLRERIEFLNEASVMKGFTCH-HVVRLLGVVSK-GQPTLVVMELMAHGD   1083
EGF-R1   857   TVAVKMLKEGATASEYKALMTELKILTHIGHHLNVVNLLGACTKQGGPLMVIVEYCKYGN   916
DGFRα    623   KVAVKMLKPTARSSEKQALMSELKIMTHLGPHLNIVNLLGACTK-SGPIYIITEYCFYGD   681

                 αD                  kinase insert domain
EGF-R2   924   LSTYLRSKRNEFVPYKTKGARFRQGKDYVG-------------------------------   953
GFR1     569   LREYLQARRPPGLEYCYN-------------------------------------------   586
RK       1084  LKSYLRSLRPEA-------------------------------------------------   1095
EGF-R1   917   LSNYLKSKRDLFFLNKDAALHMEPKKEKME-------------------------------   946
DGFRα    682   LVNYLHKNRDSFLSHHPEKPKKELDIFGLNPADESTRSYVILSFENNGDYMDMKQADTTQ   741

                                                                       αE
EGF-R2   954   ---AIPVDLKRRLDSITSSQSSASSGFVEEKSLSDVEEEEAPEDLYKDFLTLEHLICYSF   1010
GFR1     587   ---------------------------------------PSHNPEEQLSSKDLVSCAY   605
RK       1096  ---------------------------------------ENNPGRPPPTLQEMIQMAA   1114
EGF-R1   947   --PGLEQGKKPRLDSVTSSESFASSGFQEDKSLSDVEEEEDSDGFYKEPITMEDLISYSF   1004
DGFRα    742   YVPMLERKEVSKYSDIQRSLYDRPASYKK-KSMLDSEVKNLLSDDNSEGLTLLDLLSFTY   800
```

FIG. 1b

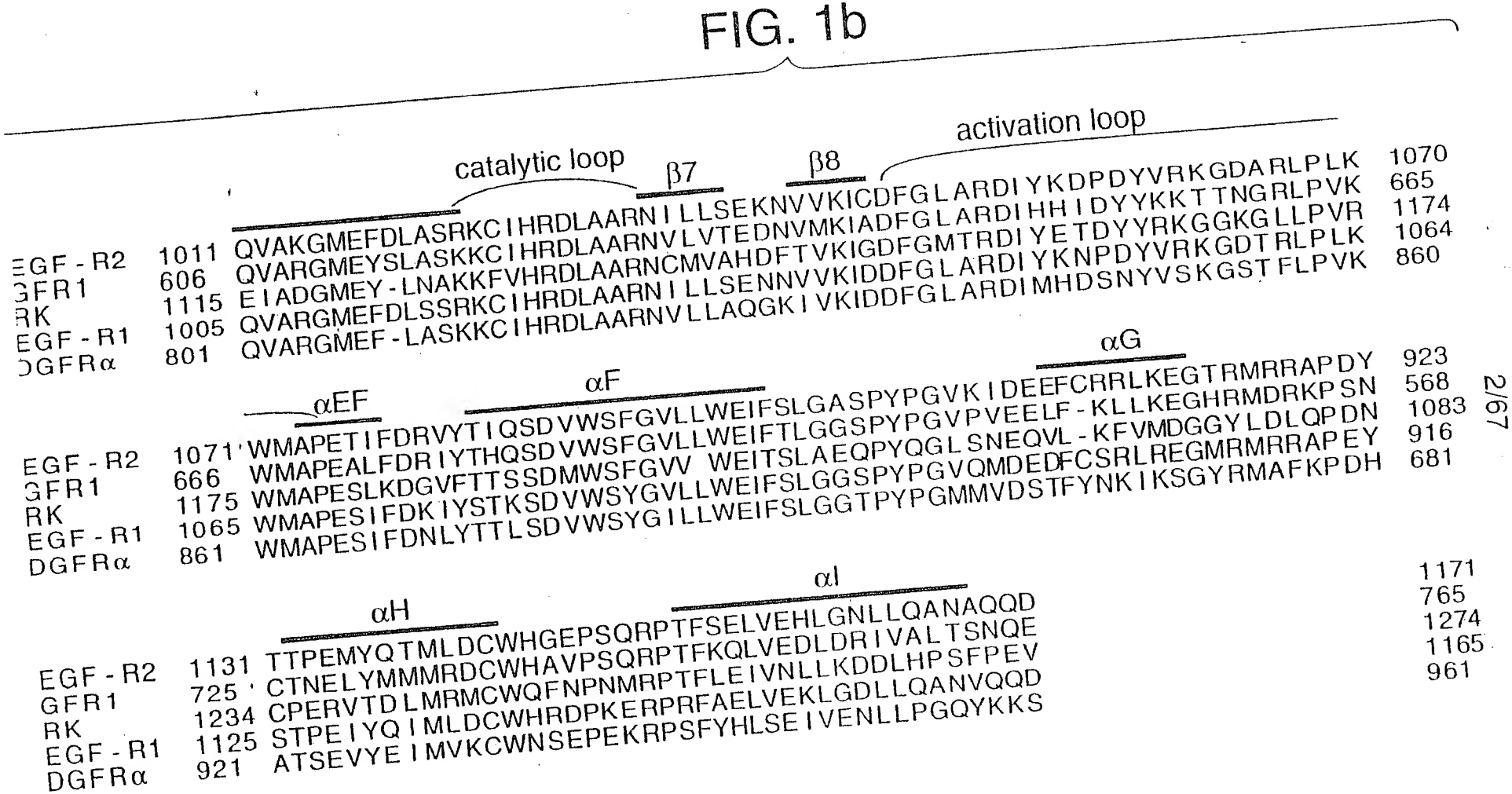
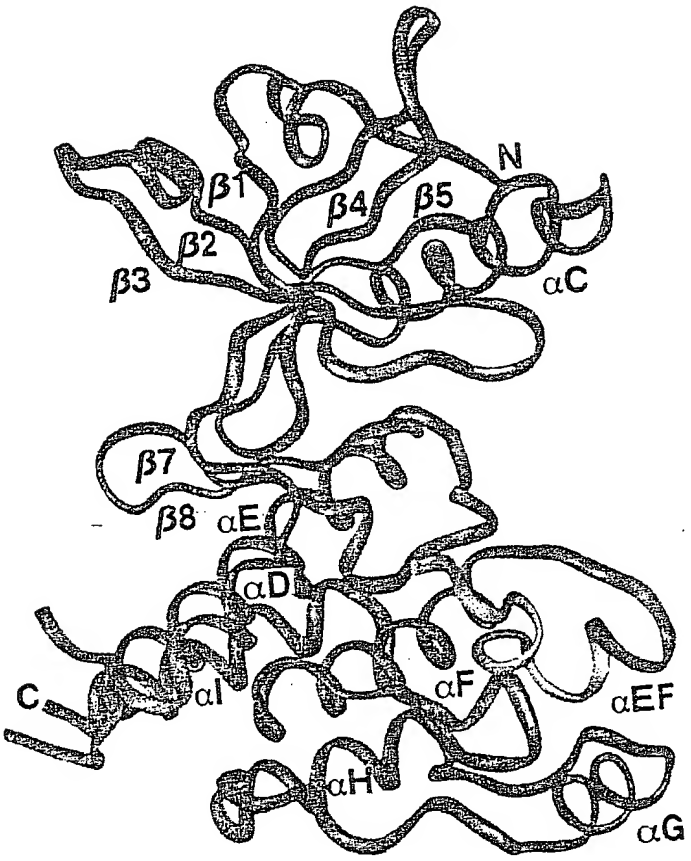
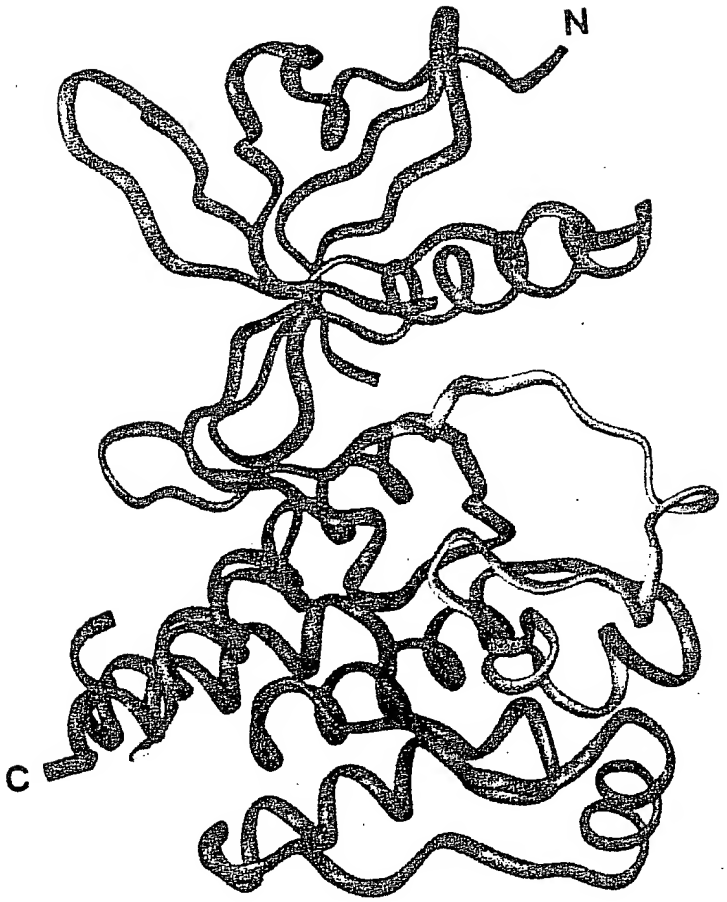

catalytic loop
β7
β8
activation loop
αEF
αF
αG
αH
αI
EGF-R2 1011 QVAKGMEFDLASRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDARLPLK 1070
GFR1 606 QVARGMEYSLASKKCIHRDLAARNVLVTEDNVMKIADFGLARDIHHIDYYKKTTNGRLPVK 665
RK 1115 EIADGMEY-LNAKKFVHRDLAARNCMVAHDFTVKIGDFGMTRDIYETDYYRKGGKGLLPVR 1174
EGF-R1 1005 QVARGMEFDLSSRKCIHRDLAARNVLLAQGKIVKIDDFGLARDIYKNPDYVRKGDTRLPLK 1064
DGFRα 801 QVARGMEF-LASKKCIHRDLAARNVLLSENNVVKIDDFGLARDIMHDSNYVSKGSTFLPVK 860
EGF-R2 1071 WMAPETIFDRVYTIQSDVWSFGVLLWEIFSLGASPYPGVKIDEEFCRRLKEGTRMRRAPDY 923
GFR1 666 WMAPEALFDRIYTHQSDVWSFGVLLWEIFTLGGSPYPGVPVEELF-KLLKEGHRMDRKPSN 568
RK 1175 WMAPESLKDGVFTTSSDMWSFGVV WEITSLAEQPYQGLSNEQVL-KFVMDGGYLDLQPDN 1083
EGF-R1 1065 WMAPESIFDKIYSTKSDVWSYGVLLWEIFSLGGSPYPGVQMDEDFCSRLREGMRMRRAPEY 916
DGFRα 861 WMAPESIFDNLYTTLSDVWSYGILLWEIFSLGGTPYPGMMVDSTFYNKIKSGYRMAFKPDH 681
EGF-R2 1131 TTPEMYQTMLDCWHGEPSQRPTFSELVEHLGNLLQANAQQD 1171
GFR1 725 CTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRIVALTSNQE 765
RK 1234 CPERVTDLMRMCWQFNPNMRPTFLEIVNLLKDDLHPSFPEV 1274
EGF-R1 1125 STPEIYQIMLDCWHRDPKERPRFAELVEKLGDLLQANVQQD 1165
DGFRα 921 ATSEVYEIMVKCWNSEPEKRPSFYHLSEIVENLLPGQYKKS 961

FIG. 2a



VEGFR2D50P

FIG. 2b



FGFR1

FIG. 2c

IRKP

FIG. 3a

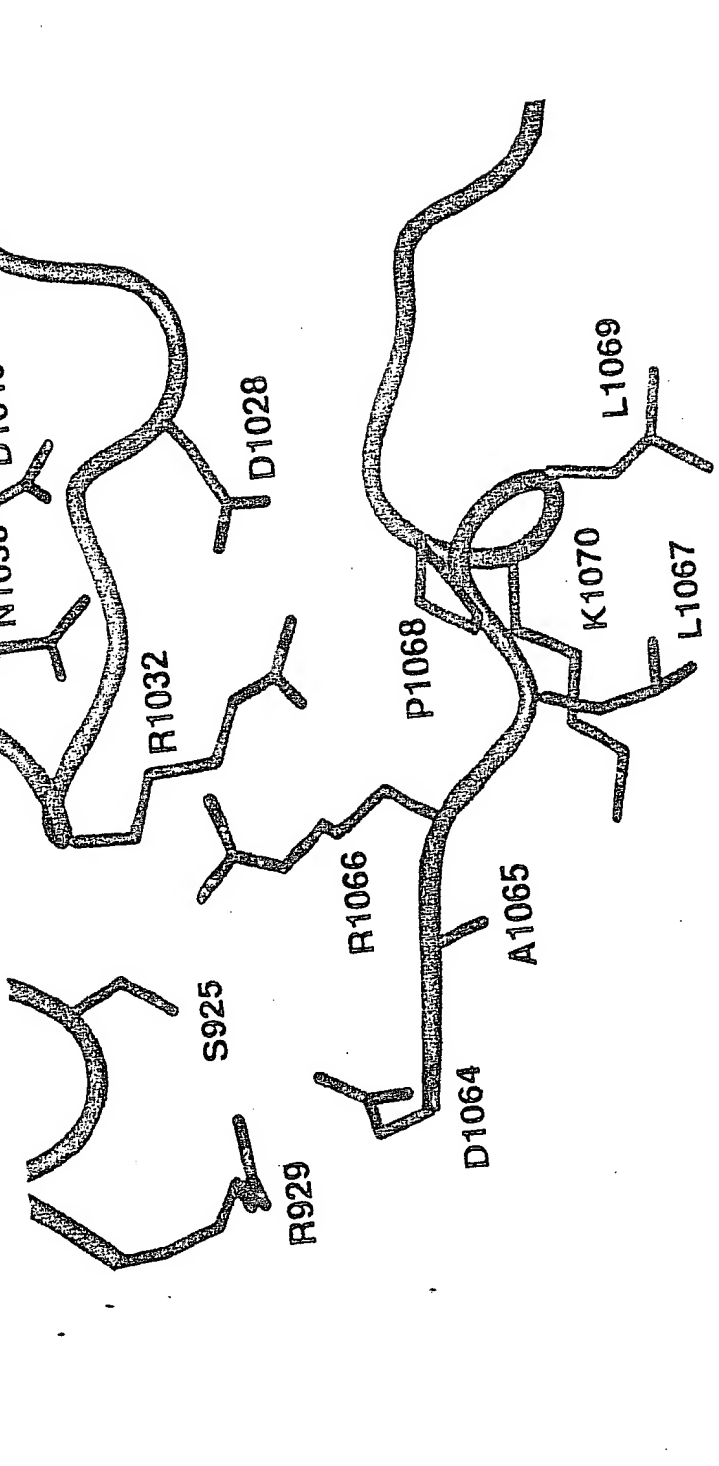

D1046
D1028
N1033
R1032
P1068
L1069
K1070
L1067
R1066
A1065
S925
D1064
R929

FIG. 3b

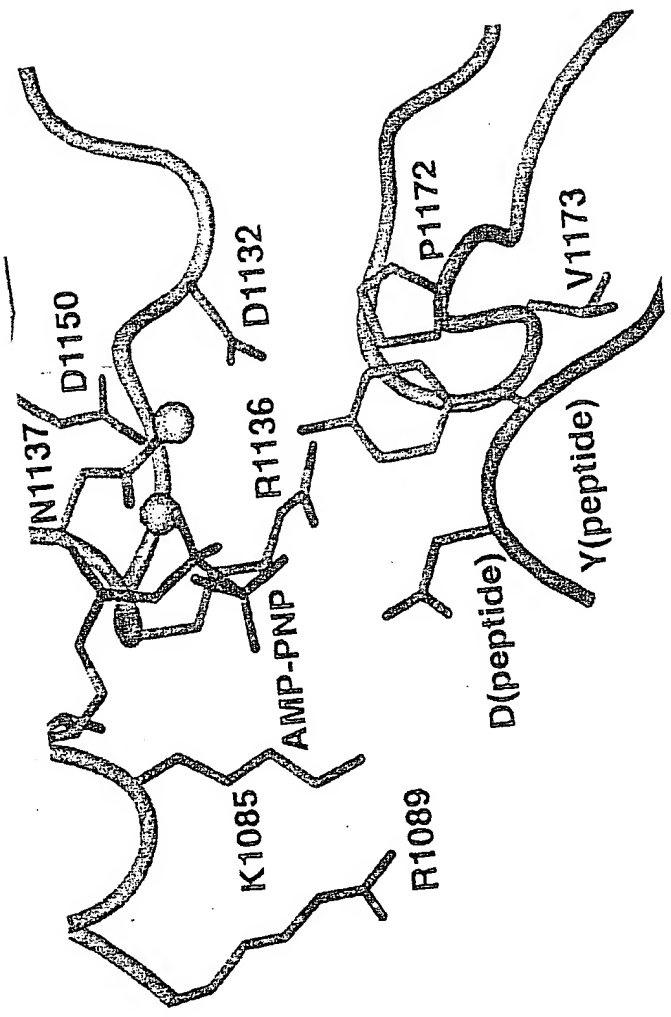

N1137
D1150
D1132
R1136
AMP-PNP
K1085
R1089
P1172
V1173
D(peptide)
Y(peptide)

FIG. 4

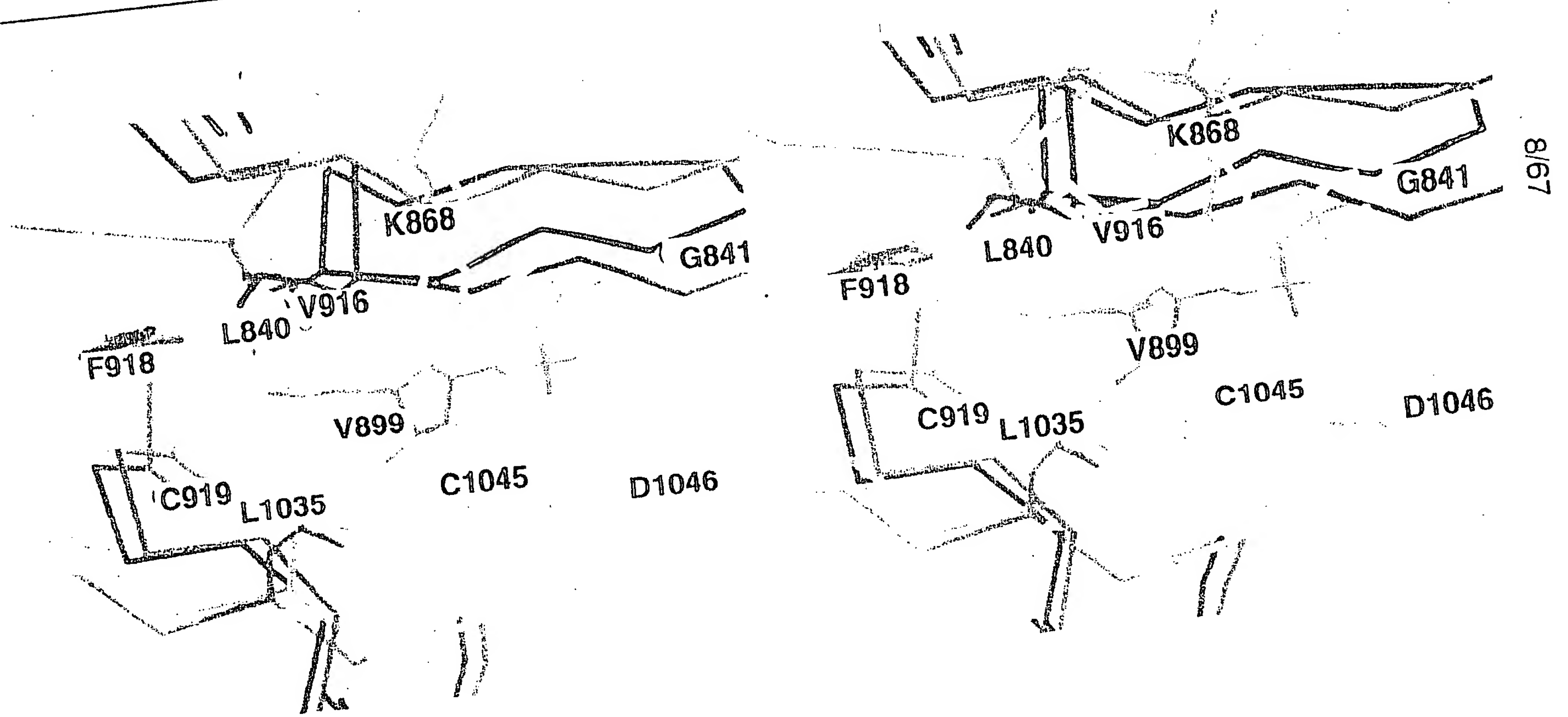

K868
G841
V916
L840
F918
V899
C919
L1035
C1045
D1046
K868
G841
L840
V916
F918
V899
C1045
D1046
C919
L1035

FIG. 5

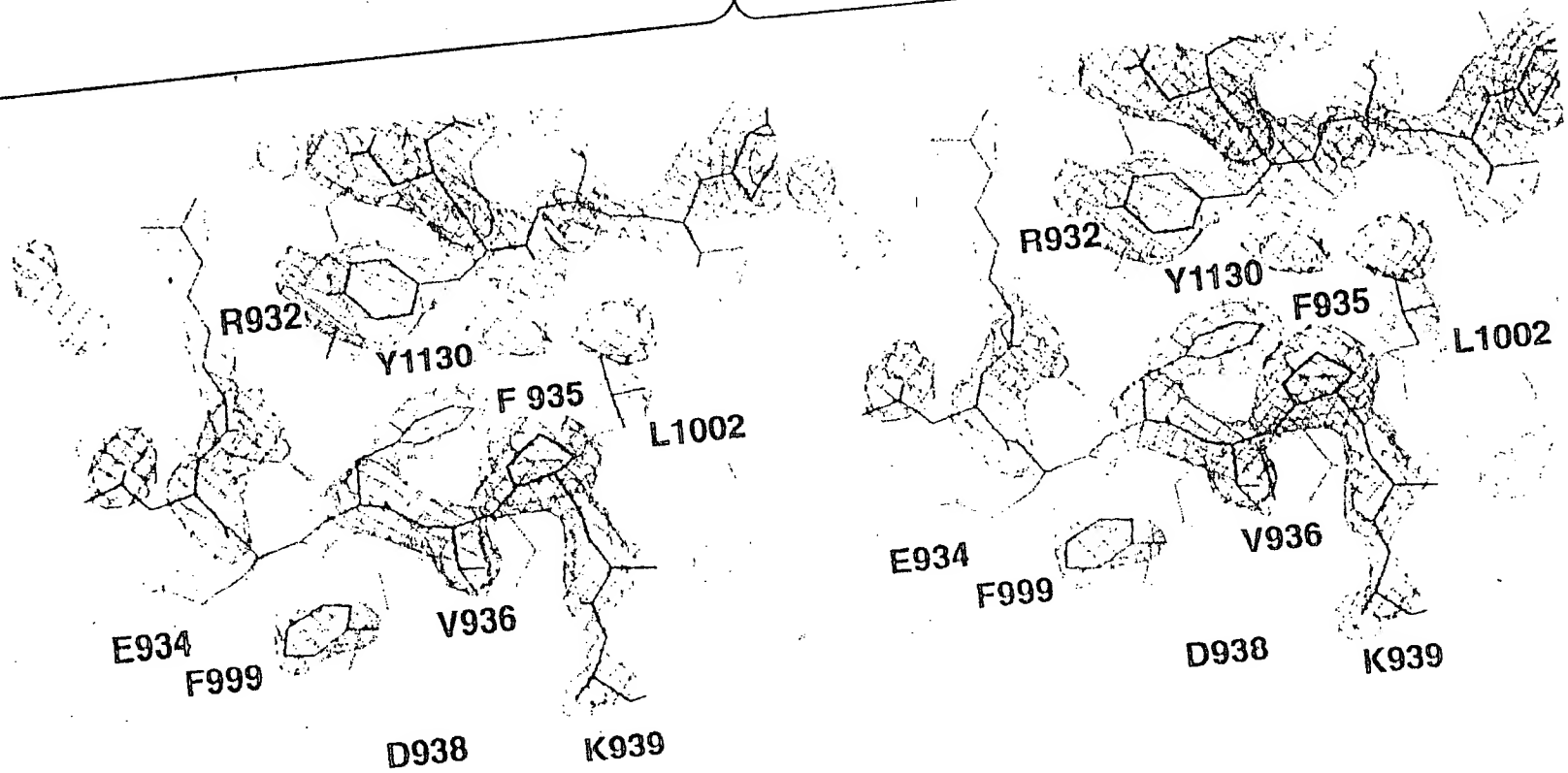

R932
Y1130
F 935
L1002
E934
F999
V936
D938
K939
R932
Y1130
F935
L1002
E934
F999
V936
D938
K939

FIG. 6

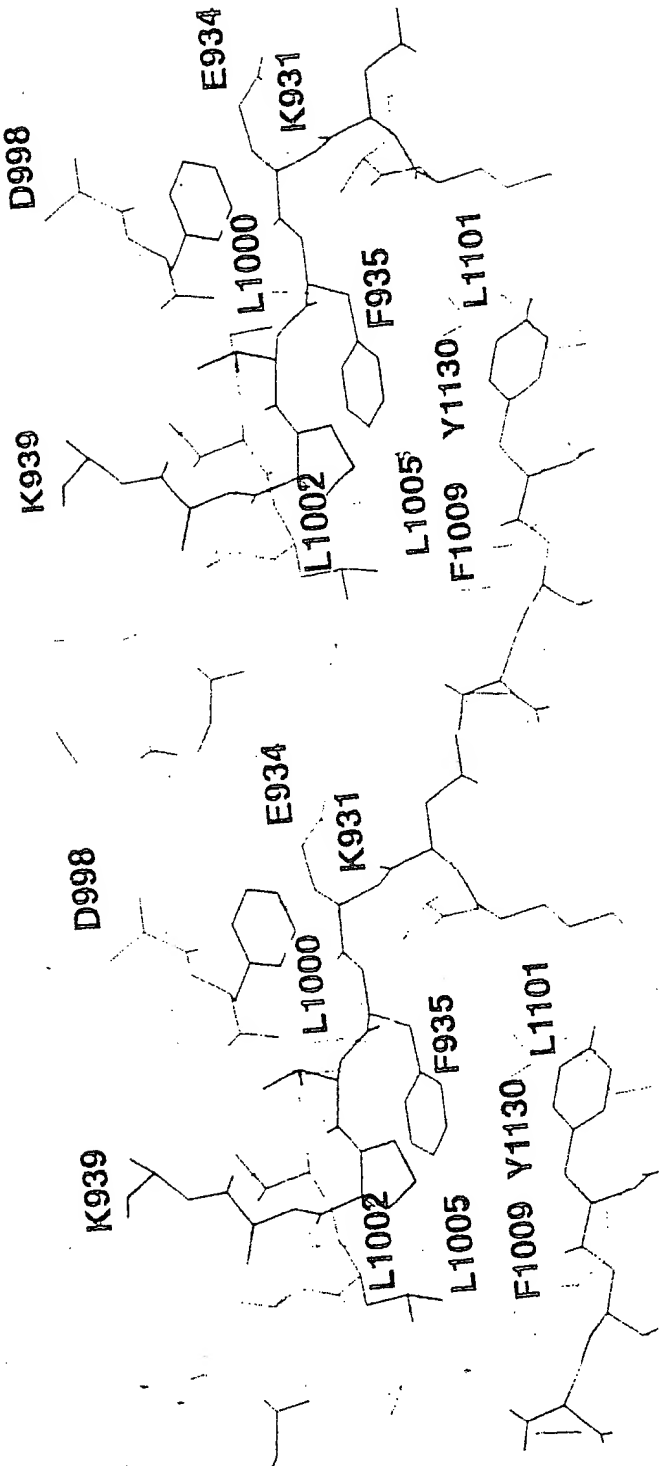

D998
E934
K931
L1000
F935
L1101
K939
L1002
L1005
Y1130
F1009
D998
E934
K931
L1000
F935
L1101
K939
L1002
L1005
F1009
Y1130

FIG. 7(1)

ATOM	1	CB	LEU	820	49.908	45.905	17.938	1.00	48.95
ATOM	2	CG	LEU	820	50.568	45.069	16.833	1.00	43.57
ATOM	3	CD1	LEU	820	50.004	45.358	15.456	1.00	43.59
ATOM	4	CD2	LEU	820	52.066	45.345	16.886	1.00	47.45
ATOM	5	C	LEU	820	49.216	48.321	17.530	1.00	48.14
ATOM	6	O	LEU	820	48.196	48.587	18.187	1.00	52.58
ATOM	9	N	LEU	820	50.481	47.725	19.581	1.00	53.68
ATOM	11	CA	LEU	820	50.302	47.387	18.117	1.00	50.63
ATOM	12	N	PRO	821	49.435	48.842	16.306	1.00	41.32
ATOM	13	CD	PRO	821	50.680	48.870	15.520	1.00	45.54
ATOM	14	CA	PRO	821	48.465	49.733	15.700	1.00	31.06
ATOM	15	CB	PRO	821	49.067	49.985	14.352	1.00	28.89
ATOM	16	CG	PRO	821	50.509	50.148	14.734	1.00	43.44
ATOM	17	C	PRO	821	47.123	49.165	15.569	1.00	26.14
ATOM	18	O	PRO	821	46.948	47.970	15.374	1.00	26.03
ATOM	19	N	TYR	822	46.154	50.024	15.776	1.00	16.25
ATOM	21	CA	TYR	822	44.799	49.643	15.582	1.00	18.88
ATOM	22	CB	TYR	822	44.061	49.519	16.916	1.00	17.42
ATOM	23	CG	TYR	822	42.584	49.316	16.728	1.00	18.46
ATOM	24	CD1	TYR	822	41.674	50.341	17.047	1.00	21.12
ATOM	25	CE1	TYR	822	40.314	50.206	16.812	1.00	13.80
ATOM	26	CD2	TYR	822	42.086	48.144	16.175	1.00	12.24
ATOM	27	CE2	TYR	822	40.714	47.997	15.951	1.00	13.44
ATOM	28	CZ	TYR	822	39.838	49.028	16.268	1.00	14.38
ATOM	29	OH	TYR	822	38.480	48.887	16.073	1.00	19.73
ATOM	31	C	TYR	822	44.253	50.760	14.705	1.00	16.93
ATOM	32	O	TYR	822	44.172	51.904	15.112	1.00	20.70
ATOM	33	N	ASP	823	44.054	50.456	13.439	1.00	15.20
ATOM	35	CA	ASP	823	43.509	51.418	12.506	1.00	13.55
ATOM	36	CB	ASP	823	43.856	50.945	11.091	1.00	11.37
ATOM	37	CG	ASP	823	43.456	51.933	10.016	1.00	16.45
ATOM	38	OD1	ASP	823	42.546	52.754	10.258	1.00	21.86
ATOM	39	OD2	ASP	823	44.022	51.854	8.904	1.00	12.33
ATOM	40	C	ASP	823	41.983	51.489	12.738	1.00	14.14
ATOM	41	O	ASP	823	41.224	50.722	12.172	1.00	19.73
ATOM	42	N	ALA	824	41.539	52.415	13.572	1.00	11.88
ATOM	44	CA	ALA	824	40.126	52.554	13.876	1.00	14.80
ATOM	45	CB	ALA	824	39.928	53.610	14.973	1.00	12.02
ATOM	46	C	ALA	824	39.259	52.893	12.658	1.00	19.09
ATOM	47	O	ALA	824	38.062	52.610	12.641	1.00	23.54

FIG. 7(2)

ATOM	48	N	SER	825	39.857	53.496	11.635	1.00	18.25
ATOM	50	CA	SER	825	39.118	53.867	10.450	1.00	12.65
ATOM	51	CB	SER	825	40.023	54.678	9.543	1.00	11.88
ATOM	52	OG	SER	825	39.315	55.003	8.370	1.00	20.94
ATOM	54	C	SER	825	38.669	52.594	9.746	1.00	12.30
ATOM	55	O	SER	825	37.543	52.461	9.317	1.00	14.94
ATOM	56	N	LYS	826	39.557	51.633	9.642	1.00	14.98
ATOM	58	CA	LYS	826	39.188	50.396	8.988	1.00	22.45
ATOM	59	CB	LYS	826	40.445	49.660	8.483	1.00	16.46
ATOM	60	CG	LYS	826	40.091	48.370	7.820	1.00	23.00
ATOM	61	CD	LYS	826	40.962	48.071	6.657	1.00	26.19
ATOM	62	CE	LYS	826	42.391	48.041	7.092	1.00	35.70
ATOM	63	NZ	LYS	826	43.272	48.003	5.891	1.00	40.17
ATOM	67	C	LYS	826	38.324	49.437	9.839	1.00	21.47
ATOM	68	O	LYS	826	37.363	48.850	9.336	1.00	22.56
ATOM	69	N	TRP	827	38.589	49.376	11.144	1.00	20.96
ATOM	71	CA	TRP	827	37.917	48.406	11.996	1.00	16.87
ATOM	72	CB	TRP	827	38.974	47.620	12.785	1.00	18.53
ATOM	73	CG	TRP	827	39.942	46.898	11.910	1.00	12.95
ATOM	74	CD2	TRP	827	39.643	45.810	11.029	1.00	9.73
ATOM	75	CE2	TRP	827	40.795	45.562	10.274	1.00	9.36
ATOM	76	CE3	TRP	827	38.505	45.038	10.801	1.00	11.54
ATOM	77	CD1	TRP	827	41.233	47.231	11.684	1.00	12.87
ATOM	78	NE1	TRP	827	41.753	46.440	10.689	1.00	10.49
ATOM	80	CZ2	TRP	827	40.848	44.565	9.299	1.00	12.36
ATOM	81	CZ3	TRP	827	38.556	44.053	9.826	1.00	10.55
ATOM	82	CH2	TRP	827	39.718	43.830	9.087	1.00	11.88
ATOM	83	C	TRP	827	36.830	48.795	12.953	1.00	17.75
ATOM	84	O	TRP	827	35.985	47.951	13.271	1.00	15.08
ATOM	85	N	GLU	828	36.855	50.043	13.416	1.00	16.92
ATOM	87	CA	GLU	828	35.908	50.518	14.413	1.00	19.52
ATOM	88	CB	GLU	828	36.289	51.920	14.885	1.00	17.10
ATOM	89	CG	GLU	828	35.581	52.363	16.148	1.00	12.70
ATOM	90	CD	GLU	828	36.106	51.707	17.400	1.00	21.57
ATOM	91	OE1	GLU	828	37.219	51.118	17.386	1.00	21.15
ATOM	92	OE2	GLU	828	35.402	51.819	18.426	1.00	22.43
ATOM	93	C	GLU	828	34.494	50.510	13.910	1.00	20.94
ATOM	94	O	GLU	828	34.245	51.024	12.818	1.00	26.92
ATOM	95	N	PHE	829	33.569	49.990	14.734	1.00	21.12
ATOM	97	CA	PHE	829	32.138	49.880	14.391	1.00	17.93
ATOM	98	CB	PHE	829	31.791	48.400	14.160	1.00	16.42
ATOM	99	CG	PHE	829	30.384	48.164	13.669	1.00	20.17

FIG. 7(3)

ATOM	100	CD1	PHE	829	30.020	48.484	12.363	1.00	21.31
ATOM	101	CD2	PHE	829	29.415	47.612	14.516	1.00	23.04
ATOM	102	CE1	PHE	829	28.712	48.254	11.921	1.00	18.76
ATOM	103	CE2	PHE	829	28.093	47.375	14.071	1.00	15.20
ATOM	104	CZ	PHE	829	27.750	47.692	12.792	1.00	17.17
ATOM	105	C	PHE	829	31.310	50.495	15.533	1.00	14.65
ATOM	106	O	PHE	829	31.574	50.211	16.686	1.00	16.15
ATOM	107	N	PRO	830	30.270	51.298	15.224	1.00	13.29
ATOM	108	CD	PRO	830	29.707	51.633	13.901	1.00	11.63
ATOM	109	CA	PRO	830	29.481	51.918	16.292	1.00	14.76
ATOM	110	CB	PRO	830	28.636	52.948	15.565	1.00	13.82
ATOM	111	CG	PRO	830	28.414	52.364	14.252	1.00	14.42
ATOM	112	C	PRO	830	28.629	51.005	17.098	1.00	19.79
ATOM	113	O	PRO	830	27.750	50.339	16.562	1.00	26.60
ATOM	114	N	ARG	831	28.830	51.060	18.410	1.00	18.39
ATOM	116	CA	ARG	831	28.085	50.246	19.335	1.00	14.56
ATOM	117	CB	ARG	831	28.469	50.580	20.743	1.00	11.53
ATOM	118	CG	ARG	831	29.808	50.050	21.092	1.00	12.65
ATOM	119	CD	ARG	831	30.117	50.265	22.554	1.00	12.46
ATOM	120	NE	ARG	831	31.261	51.148	22.584	1.00	20.55
ATOM	122	CZ	ARG	831	32.469	50.756	22.885	1.00	12.04
ATOM	123	NH1	ARG	831	32.688	49.518	23.234	1.00	23.80
ATOM	126	NH2	ARG	831	33.467	51.501	22.526	1.00	23.84
ATOM	129	C	ARG	831	26.625	50.415	19.174	1.00	18.55
ATOM	130	O	ARG	831	25.852	49.561	19.607	1.00	25.61
ATOM	131	N	ASP	832	26.221	51.517	18.552	1.00	25.32
ATOM	133	CA	ASP	832	24.794	51.734	18.354	1.00	29.47
ATOM	134	CB	ASP	832	24.393	53.230	18.408	1.00	34.15
ATOM	135	CG	ASP	832	24.817	54.036	17.174	1.00	33.50
ATOM	136	OD1	ASP	832	25.519	53.528	16.280	1.00	34.09
ATOM	137	OD2	ASP	832	24.422	55.216	17.110	1.00	41.48
ATOM	138	C	ASP	832	24.230	51.000	17.139	1.00	27.13
ATOM	139	O	ASP	832	23.023	50.905	16.991	1.00	28.08
ATOM	140	N	ARG	833	25.104	50.466	16.290	1.00	24.18
ATOM	142	CA	ARG	833	24.684	49.695	15.134	1.00	19.93
ATOM	143	CB	ARG	833	25.661	49.902	14.011	1.00	25.94
ATOM	144	CG	ARG	833	25.313	51.073	13.158	1.00	38.97
ATOM	145	CD	ARG	833	25.929	50.901	11.766	1.00	53.19
ATOM	146	NE	ARG	833	25.525	51.930	10.807	1.00	63.47
ATOM	148	CZ	ARG	833	25.419	53.229	11.087	1.00	70.42
ATOM	149	NH1	ARG	833	25.040	54.080	10.139	1.00	74.08
ATOM	152	NH2	ARG	833	25.695	53.690	12.306	1.00	72.08
ATOM	155	C	ARG	833	24.656	48.218	15.498	1.00	18.62

FIG. 7(4)

```
ATOM  156 O   ARG  833      24.289  47.370  14.690  1.00 18.27
ATOM  157 N   LEU  834      25.013  47.943  16.747  1.00 18.35
ATOM  159 CA  LEU  834      25.089  46.600  17.329  1.00 22.59
ATOM  160 CB  LEU  834      26.488  46.398  17.946  1.00 25.91
ATOM  161 CG  LEU  834      27.073  45.003  18.139  1.00 24.64
ATOM  162 CD1 LEU  834      27.185  44.327  16.805  1.00 21.77
ATOM  163 CD2 LEU  834      28.428  45.085  18.785  1.00 17.43
ATOM  164 C   LEU  834      23.988  46.326  18.387  1.00 24.77
ATOM  165 O   LEU  834      23.886  46.973  19.433  1.00 24.03
ATOM  166 N   LYS  835      23.173  45.335  18.087  1.00 28.94
ATOM  168 CA  LYS  835      22.072  44.942  18.940  1.00 32.84
ATOM  169 CB  LYS  835      20.794  44.913  18.081  1.00 31.34
ATOM  170 CG  LYS  835      19.529  44.697  18.839  1.00 36.63
ATOM  171 CD  LYS  835      18.359  44.407  17.940  1.00 39.31
ATOM  172 CE  LYS  835      17.074  44.414  18.783  1.00 48.99
ATOM  173 NZ  LYS  835      17.074  43.448  19.950  1.00 48.86
ATOM  177 C   LYS  835      22.431  43.532  19.420  1.00 31.79
ATOM  178 O   LYS  835      22.408  42.609  18.616  1.00 34.57
ATOM  179 N   LEU  836      22.854  43.395  20.680  1.00 33.17
ATOM  181 CA  LEU  836      23.229  42.101  21.277  1.00 34.01
ATOM  182 CB  LEU  836      23.970  42.292  22.593  1.00 33.96
ATOM  183 CG  LEU  836      25.400  42.796  22.462  1.00 42.50
ATOM  184 CD1 LEU  836      26.082  42.858  23.854  1.00 41.15
ATOM  185 CD2 LEU  836      26.153  41.860  21.501  1.00 40.93
ATOM  186 C   LEU  836      22.053  41.181  21.547  1.00 33.27
ATOM  187 O   LEU  836      21.017  41.631  22.025  1.00 31.15
ATOM  188 N   GLY  837      22.268  39.882  21.330  1.00 36.34
ATOM  190 CA  GLY  837      21.228  38.881  21.536  1.00 34.95
ATOM  191 C   GLY  837      21.603  37.761  22.497  1.00 35.64
ATOM  192 O   GLY  837      22.203  37.980  23.554  1.00 39.23
ATOM  193 N   LYS  838      21.254  36.541  22.126  1.00 35.31
ATOM  195 CA  LYS  838      21.531  35.375  22.962  1.00 37.86
ATOM  196 CB  LYS  838      20.647  34.192  22.539  1.00 41.52
ATOM  197 C   LYS  838      22.991  34.935  22.989  1.00 35.93
ATOM  198 O   LYS  838      23.650  34.851  21.946  1.00 34.37
ATOM  199 N   PRO  839      23.499  34.608  24.187  1.00 33.68
ATOM  200 CD  PRO  839      22.820  34.757  25.486  1.00 34.48
ATOM  201 CA  PRO  839      24.880  34.158  24.363  1.00 37.11
ATOM  202 CB  PRO  839      24.927  33.750  25.833  1.00 37.46
ATOM  203 CG  PRO  839      23.970  34.710  26.472  1.00 37.04
ATOM  204 C   PRO  839      25.148  32.963  23.474  1.00 39.09
ATOM  205 O   PRO  839      24.303  32.085  23.327  1.00 38.13
ATOM  206 N   LEU  840      26.261  33.013  22.767  1.00 43.08
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FIG. 7(5)

ATOM	208	CA	LEU	840	26.646	31.915	21.917	1.00	47.73
ATOM	209	CB	LEU	840	27.396	32.426	20.692	1.00	41.83
ATOM	210	CG	LEU	840	26.386	32.957	19.697	1.00	39.60
ATOM	211	CD1	LEU	840	27.080	33.697	18.595	1.00	42.69
ATOM	212	CD2	LEU	840	25.582	31.795	19.156	1.00	38.40
ATOM	213	C	LEU	840	27.523	30.987	22.747	1.00	54.84
ATOM	214	O	LEU	840	27.479	29.768	22.577	1.00	59.76
ATOM	215	N	GLY	841	28.248	31.563	23.706	1.00	60.51
ATOM	217	CA	GLY	841	29.140	30.781	24.547	1.00	60.96
ATOM	218	C	GLY	841	29.660	31.544	25.750	1.00	63.95
ATOM	219	O	GLY	841	29.497	32.764	25.857	1.00	64.35
ATOM	220	N	ARG	842	30.279	30.809	26.668	1.00	65.26
ATOM	222	CA	ARG	842	30.823	31.388	27.887	1.00	65.12
ATOM	223	CB	ARG	842	30.027	30.897	29.091	1.00	61.50
ATOM	224	C	ARG	842	32.300	30.995	28.004	1.00	64.23
ATOM	225	O	ARG	842	32.957	30.720	26.986	1.00	68.80
ATOM	226	N	GLY	843	32.822	31.003	29.226	1.00	60.14
ATOM	228	CA	GLY	843	34.206	30.639	29.453	1.00	60.53
ATOM	229	C	GLY	843	34.676	31.165	30.789	1.00	62.56
ATOM	230	O	GLY	843	33.902	31.764	31.535	1.00	61.31
ATOM	231	N	ALA	844	35.925	30.888	31.140	1.00	66.30
ATOM	233	CA	ALA	844	36.450	31.390	32.403	1.00	69.69
ATOM	234	CB	ALA	844	37.655	30.574	32.851	1.00	68.47
ATOM	235	C	ALA	844	36.839	32.855	32.212	1.00	73.15
ATOM	236	O	ALA	844	36.723	33.667	33.144	1.00	75.00
ATOM	237	N	PHE	845	37.251	33.184	30.981	1.00	76.12
ATOM	239	CA	PHE	845	37.699	34.538	30.618	1.00	74.99
ATOM	240	CB	PHE	845	39.135	34.479	30.014	1.00	72.01
ATOM	241	C	PHE	845	36.766	35.353	29.700	1.00	73.81
ATOM	242	O	PHE	845	36.404	36.499	30.020	1.00	76.82
ATOM	243	N	GLY	846	36.368	34.767	28.576	1.00	68.48
ATOM	245	CA	GLY	846	35.527	35.495	27.645	1.00	61.76
ATOM	246	C	GLY	846	34.102	35.023	27.606	1.00	57.98
ATOM	247	O	GLY	846	33.658	34.305	28.491	1.00	59.43
ATOM	248	N	GLN	847	33.400	35.413	26.553	1.00	55.08
ATOM	250	CA	GLN	847	32.006	35.050	26.354	1.00	52.26
ATOM	251	CB	GLN	847	31.160	35.668	27.449	1.00	55.14
ATOM	252	CG	GLN	847	29.706	35.703	27.075	1.00	61.40
ATOM	253	CD	GLN	847	28.951	36.735	27.844	1.00	65.75
ATOM	254	OE1	GLN	847	27.772	36.543	28.150	1.00	69.74
ATOM	255	NE2	GLN	847	29.614	37.852	28.166	1.00	68.83
ATOM	258	C	GLN	847	31.508	35.573	25.001	1.00	47.29
ATOM	259	O	GLN	847	31.637	36.764	24.713	1.00	52.89

FIG. 7(6)

ATOM	260	N	VAL	848	30.912	34.707	24.195	1.00	38.17
ATOM	262	CA	VAL	848	30.418	35.122	22.898	1.00	30.28
ATOM	263	CB	VAL	848	30.792	34.137	21.833	1.00	28.01
ATOM	264	CG1	VAL	848	30.542	34.744	20.442	1.00	23.32
ATOM	265	CG2	VAL	848	32.239	33.759	22.016	1.00	22.18
ATOM	266	C	VAL	848	28.920	35.262	22.939	1.00	31.80
ATOM	267	O	VAL	848	28.221	34.525	23.625	1.00	32.87
ATOM	268	N	ILE	849	28.410	36.196	22.166	1.00	29.87
ATOM	270	CA	ILE	849	26.990	36.436	22.159	1.00	25.35
ATOM	271	CB	ILE	849	26.602	37.448	23.328	1.00	31.46
ATOM	272	CG2	ILE	849	27.766	38.373	23.732	1.00	32.09
ATOM	273	CG1	ILE	849	25.353	38.244	23.003	1.00	31.00
ATOM	274	CD1	ILE	849	24.895	39.035	24.199	1.00	37.56
ATOM	275	C	ILE	849	26.493	36.851	20.798	1.00	23.02
ATOM	276	O	ILE	849	27.167	37.540	20.070	1.00	27.56
ATOM	277	N	GLU	850	25.376	36.294	20.390	1.00	25.56
ATOM	279	CA	GLU	850	24.802	36.626	19.107	1.00	26.63
ATOM	280	CB	GLU	850	23.577	35.785	18.894	1.00	27.45
ATOM	281	CG	GLU	850	23.414	35.361	17.487	1.00	34.57
ATOM	282	CD	GLU	850	22.155	34.590	17.293	1.00	34.46
ATOM	283	OE1	GLU	850	21.602	34.655	16.184	1.00	42.38
ATOM	284	OE2	GLU	850	21.710	33.924	18.248	1.00	40.93
ATOM	285	C	GLU	850	24.422	38.111	19.028	1.00	27.83
ATOM	286	O	GLU	850	24.240	38.755	20.047	1.00	25.02
ATOM	287	N	ALA	851	24.291	38.640	17.814	1.00	29.11
ATOM	289	CA	ALA	851	23.958	40.043	17.621	1.00	27.32
ATOM	290	CB	ALA	851	25.080	40.922	18.170	1.00	18.65
ATOM	291	C	ALA	851	23.731	40.387	16.160	1.00	26.61
ATOM	292	O	ALA	851	24.328	39.785	15.283	1.00	26.99
ATOM	293	N	ASP	852	22.836	41.343	15.917	1.00	30.82
ATOM	295	CA	ASP	852	22.538	41.862	14.566	1.00	31.76
ATOM	296	CB	ASP	852	21.050	42.186	14.386	1.00	39.33
ATOM	297	CG	ASP	852	20.222	40.993	13.993	1.00	47.41
ATOM	298	OD1	ASP	852	19.687	40.330	14.906	1.00	54.12
ATOM	299	OD2	ASP	852	20.066	40.754	12.775	1.00	53.02
ATOM	300	C	ASP	852	23.265	43.204	14.506	1.00	25.97
ATOM	301	O	ASP	852	23.096	44.021	15.416	1.00	21.64
ATOM	302	N	ALA	853	24.099	43.411	13.495	1.00	20.18
ATOM	304	CA	ALA	853	24.818	44.672	13.342	1.00	23.55
ATOM	305	CB	ALA	853	26.305	44.440	13.292	1.00	23.32
ATOM	306	C	ALA	853	24.311	45.222	12.026	1.00	23.89
ATOM	307	O	ALA	853	24.079	44.439	11.108	1.00	26.15
ATOM	308	N	PHE	854	24.044	46.526	11.936	1.00	22.87

FIG. 7(7)

ATOM	310	CA	PHE	854	23.529	47.059	10.680	1.00	16.46
ATOM	311	CB	PHE	854	22.487	48.135	10.901	1.00	23.71
ATOM	312	CG	PHE	854	22.020	48.758	9.643	1.00	27.62
ATOM	313	CD1	PHE	854	22.476	50.011	9.266	1.00	28.26
ATOM	314	CD2	PHE	854	21.205	48.052	8.771	1.00	31.56
ATOM	315	CE1	PHE	854	22.136	50.549	8.025	1.00	30.16
ATOM	316	CE2	PHE	854	20.856	48.592	7.512	1.00	34.04
ATOM	317	CZ	PHE	854	21.328	49.838	7.145	1.00	28.32
ATOM	318	C	PHE	854	24.618	47.569	9.794	1.00	14.10
ATOM	319	O	PHE	854	25.493	48.299	10.209	1.00	17.34
ATOM	320	N	GLY	855	24.556	47.163	8.553	1.00	17.45
ATOM	322	CA	GLY	855	25.559	47.571	7.604	1.00	18.50
ATOM	323	C	GLY	855	26.988	47.318	8.020	1.00	22.65
ATOM	324	O	GLY	855	27.806	48.193	7.777	1.00	26.82
ATOM	325	N	ILE	856	27.332	46.150	8.580	1.00	23.51
ATOM	327	CA	ILE	856	28.740	45.886	8.983	1.00	24.11
ATOM	328	CB	ILE	856	28.868	44.692	9.980	1.00	27.72
ATOM	329	CG2	ILE	856	28.535	43.370	9.259	1.00	29.88
ATOM	330	CG1	ILE	856	30.282	44.663	10.608	1.00	23.26
ATOM	331	CD1	ILE	856	30.371	44.079	12.034	1.00	21.70
ATOM	332	C	ILE	856	29.704	45.665	7.805	1.00	24.83
ATOM	333	O	ILE	856	30.918	45.721	7.950	1.00	28.37
ATOM	334	N	ASP	857	29.145	45.460	6.626	1.00	27.69
ATOM	336	CA	ASP	857	29.926	45.248	5.420	1.00	31.23
ATOM	337	CB	ASP	857	29.566	43.891	4.838	1.00	34.80
ATOM	338	CG	ASP	857	28.074	43.658	4.811	1.00	40.03
ATOM	339	OD1	ASP	857	27.328	44.597	4.448	1.00	43.33
ATOM	340	OD2	ASP	857	27.641	42.549	5.200	1.00	46.87
ATOM	341	C	ASP	857	29.654	46.323	4.370	1.00	32.81
ATOM	342	O	ASP	857	29.721	46.040	3.183	1.00	38.59
ATOM	343	N	LYS	858	29.299	47.529	4.813	1.00	34.74
ATOM	345	CA	LYS	858	28.987	48.690	3.946	1.00	34.64
ATOM	346	CB	LYS	858	30.061	48.947	2.889	1.00	31.38
ATOM	347	CG	LYS	858	31.462	48.964	3.418	1.00	34.36
ATOM	348	CD	LYS	858	31.605	49.890	4.603	1.00	39.41
ATOM	349	CE	LYS	858	33.005	49.791	5.228	1.00	39.87
ATOM	350	NZ	LYS	858	34.059	50.089	4.218	1.00	39.89
ATOM	354	C	LYS	858	27.629	48.709	3.254	1.00	32.27
ATOM	355	O	LYS	858	27.249	49.737	2.724	1.00	35.02
ATOM	356	N	THR	859	26.891	47.607	3.258	1.00	32.20
ATOM	358	CA	THR	859	25.597	47.610	2.600	1.00	30.11
ATOM	359	CB	THR	859	25.355	46.332	1.785	1.00	30.38
ATOM	360	OG1	THR	859	25.365	45.187	2.641	1.00	32.29

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FIG. 7(8)

ATOM	362	CG2	THR	859	26.437	46.179	0.757	1.00	32.22
ATOM	363	C	THR	859	24.450	47.839	3.546	1.00	28.71
ATOM	364	O	THR	859	24.577	47.647	4.750	1.00	30.55
ATOM	365	N	ALA	860	23.303	48.201	2.989	1.00	30.07
ATOM	367	CA	ALA	860	22.123	48.474	3.784	1.00	28.01
ATOM	368	CB	ALA	860	21.141	49.253	2.928	1.00	23.78
ATOM	369	C	ALA	860	21.461	47.222	4.394	1.00	28.00
ATOM	370	O	ALA	860	20.251	47.100	4.373	1.00	31.77
ATOM	371	N	THR	861	22.228	46.325	5.008	1.00	29.99
ATOM	373	CA	THR	861	21.663	45.078	5.577	1.00	27.77
ATOM	374	CB	THR	861	22.186	43.857	4.808	1.00	20.97
ATOM	375	OG1	THR	861	23.614	43.926	4.687	1.00	27.23
ATOM	377	CG2	THR	861	21.608	43.794	3.449	1.00	29.39
ATOM	378	C	THR	861	21.986	44.790	7.055	1.00	31.89
ATOM	379	O	THR	861	23.095	45.077	7.532	1.00	34.73
ATOM	380	N	CYS	862	21.037	44.183	7.770	1.00	34.09
ATOM	382	CA	CYS	862	21.250	43.805	9.178	1.00	31.63
ATOM	383	CB	CYS	862	19.922	43.756	9.943	1.00	27.50
ATOM	384	SG	CYS	862	19.863	44.908	11.327	1.00	41.79
ATOM	385	C	CYS	862	21.876	42.424	9.146	1.00	25.51
ATOM	386	O	CYS	862	21.241	41.492	8.700	1.00	30.38
ATOM	387	N	ARG	863	23.136	42.307	9.541	1.00	27.68
ATOM	389	CA	ARG	863	23.839	41.025	9.532	1.00	28.29
ATOM	390	CB	ARG	863	25.211	41.210	8.882	1.00	36.18
ATOM	391	CG	ARG	863	25.775	39.945	8.275	1.00	48.71
ATOM	392	CD	ARG	863	27.282	40.034	7.943	1.00	58.46
ATOM	393	NE	ARG	863	27.824	38.721	7.550	1.00	65.04
ATOM	395	CZ	ARG	863	29.112	38.452	7.330	1.00	65.66
ATOM	396	NH1	ARG	863	29.482	37.219	6.985	1.00	67.60
ATOM	399	NH2	ARG	863	30.030	39.409	7.421	1.00	66.49
ATOM	402	C	ARG	863	24.006	40.409	10.943	1.00	28.34
ATOM	403	O	ARG	863	24.337	41.125	11.904	1.00	24.64
ATOM	404	N	THR	864	23.735	39.100	11.078	1.00	23.23
ATOM	406	CA	THR	864	23.900	38.426	12.364	1.00	18.91
ATOM	407	CB	THR	864	23.062	37.099	12.489	1.00	19.40
ATOM	408	OG1	THR	864	21.672	37.435	12.547	1.00	24.20
ATOM	410	CG2	THR	864	23.371	36.351	13.793	1.00	8.83
ATOM	411	C	THR	864	25.385	38.148	12.462	1.00	20.93
ATOM	412	O	THR	864	26:001	37.736	11.468	1.00	20.14
ATOM	413	N	VAL	865	25.962	38.442	13.634	1.00	16.03
ATOM	415	CA	VAL	865	27.381	38.254	13.897	1.00	16.69
ATOM	416	CB	VAL	865	28.175	39.620	13.906	1.00	17.70
ATOM	417	CG1	VAL	865	28.107	40.299	12.539	1.00	21.22

FIG. 7(9)

ATOM	418	CG2	VAL	865	27.625	40.554	14.979	1.00	20.92
ATOM	419	C	VAL	865	27.533	37.660	15.276	1.00	15.90
ATOM	420	O	VAL	865	26.552	37.554	15.995	1.00	16.43
ATOM	421	N	ALA	866	28.775	37.295	15.612	1.00	16.37
ATOM	423	CA	ALA	866	29.210	36.753	16.910	1.00	18.08
ATOM	424	CB	ALA	866	30.022	35.490	16.691	1.00	7.41
ATOM	425	C	ALA	866	30.117	37.834	17.588	1.00	23.87
ATOM	426	O	ALA	866	31.121	38.261	16.998	1.00	24.17
ATOM	427	N	VAL	867	29.790	38.235	18.827	1.00	26.69
ATOM	429	CA	VAL	867	30.534	39.268	19.554	1.00	20.37
ATOM	430	CB	VAL	867	29.592	40.365	20.088	1.00	17.71
ATOM	431	CG1	VAL	867	30.361	41.586	20.519	1.00	9.32
ATOM	432	CG2	VAL	867	28.635	40.753	19.027	1.00	14.57
ATOM	433	C	VAL	867	31.320	38.748	20.728	1.00	21.67
ATOM	434	O	VAL	867	30.784	38.085	21.606	1.00	23.57
ATOM	435	N	LYS	868	32.616	38.982	20.694	1.00	21.65
ATOM	437	CA	LYS	868	33.471	38.593	21.782	1.00	27.02
ATOM	438	CB	LYS	868	34.860	38.169	21.289	1.00	29.71
ATOM	439	CG	LYS	868	34.842	36.963	20.405	1.00	37.08
ATOM	440	CD	LYS	868	36.151	36.810	19.666	1.00	44.81
ATOM	441	CE	LYS	868	36.183	35.512	18.868	1.00	45.52
ATOM	442	NZ	LYS	868	37.548	35.298	18.274	1.00	47.28
ATOM	446	C	LYS	868	33.585	39.842	22.647	1.00	26.11
ATOM	447	O	LYS	868	33.962	40.914	22.188	1.00	24.72
ATOM	448	N	MET	869	33.184	39.721	23.888	1.00	29.77
ATOM	450	CA	MET	869	33.299	40.821	24.803	1.00	32.95
ATOM	451	CB	MET	869	31.958	41.491	24.996	1.00	30.57
ATOM	452	CG	MET	869	30.900	40.542	25.463	1.00	32.29
ATOM	453	SD	MET	869	29.348	41.157	24.961	1.00	42.68
ATOM	454	CE	MET	869	29.251	42.663	25.919	1.00	35.32
ATOM	455	C	MET	869	33.778	40.205	26.095	1.00	40.29
ATOM	456	O	MET	869	33.921	38.967	26.216	1.00	35.26
ATOM	457	N	LEU	870	34.079	41.066	27.051	1.00	46.88
ATOM	459	CA	LEU	870	34.521	40.576	28.337	1.00	51.36
ATOM	460	CB	LEU	870	35.544	41.549	28.937	1.00	48.55
ATOM	461	CG	LEU	870	36.862	41.677	28.180	1.00	44.32
ATOM	462	CD1	LEU	870	37.734	42.739	28.855	1.00	36.89
ATOM	463	CD2	LEU	870	37.535	40.306	28.149	1.00	41.04
ATOM	464	C	LEU	870	33.344	40.306	29.311	1.00	53.63
ATOM	465	O	LEU	870	32.163	40.615	29.037	1.00	52.68
ATOM	466	N	LYS	871	33.675	39.644	30.412	1.00	56.89
ATOM	468	CA	LYS	871	32.695	39.346	31.426	1.00	58.53
ATOM	469	CB	LYS	871	33.083	38.077	32.169	1.00	59.89

FIG. 7(10)

ATOM	470	CG	LYS	871	31.903	37.220	32.546	1.00	63.81
ATOM	471	CD	LYS	871	31.912	35.965	31.719	1.00	65.43
ATOM	472	CE	LYS	871	33.268	35.318	31.853	1.00	70.59
ATOM	473	NZ	LYS	871	33.318	34.051	31.135	1.00	76.57
ATOM	477	C	LYS	871	32.649	40.518	32.404	1.00	59.44
ATOM	478	O	LYS	871	33.582	41.342	32.464	1.00	56.75
ATOM	479	N	GLU	872	31.566	40.571	33.177	1.00	61.50
ATOM	481	CA	GLU	872	31.357	41.618	34.177	1.00	64.12
ATOM	482	CB	GLU	872	29.928	41.539	34.739	1.00	66.85
ATOM	483	CG	GLU	872	28.846	41.903	33.729	1.00	71.27
ATOM	484	CD	GLU	872	29.060	41.218	32.387	1.00	74.41
ATOM	485	OE1	GLU	872	28.900	39.980	32.326	1.00	76.27
ATOM	486	OE2	GLU	872	29.443	41.903	31.411	1.00	74.20
ATOM	487	C	GLU	872	32.387	41.424	35.288	1.00	60.87
ATOM	488	O	GLU	872	32.331	40.441	36.026	1.00	61.34
ATOM	489	N	GLY	873	33.368	42.319	35.335	1.00	57.40
ATOM	491	CA	GLY	873	34.408	42.223	36.337	1.00	53.93
ATOM	492	C	GLY	873	35.703	41.641	35.803	1.00	52.30
ATOM	493	O	GLY	873	36.518	41.103	36.563	1.00	51.95
ATOM	494	N	ALA	874	35.881	41.721	34.491	1.00	51.13
ATOM	496	CA	ALA	874	37.090	41.217	33.862	1.00	51.21
ATOM	497	CB	ALA	874	36.875	41.049	32.335	1.00	48.57
ATOM	498	C	ALA	874	38.270	42.172	34.199	1.00	50.40
ATOM	499	O	ALA	874	38.101	43.388	34.369	1.00	48.57
ATOM	500	N	THR	875	39.465	41.609	34.245	1.00	48.33
ATOM	502	CA	THR	875	40.657	42.334	34.617	1.00	51.59
ATOM	503	CB	THR	875	41.572	41.428	35.447	1.00	54.42
ATOM	504	OG1	THR	875	42.677	42.184	35.937	1.00	60.69
ATOM	506	CG2	THR	875	42.107	40.280	34.593	1.00	60.52
ATOM	507	C	THR	875	41.455	42.830	33.448	1.00	51.15
ATOM	508	O	THR	875	41.395	42.263	32.372	1.00	52.26
ATOM	509	N	HIS	876	42.343	43.770	33.733	1.00	53.93
ATOM	511	CA	HIS	876	43.215	44.392	32.737	1.00	55.68
ATOM	512	CB	HIS	876	44.170	45.383	33.419	1.00	54.06
ATOM	513	CG	HIS	876	45.609	44.980	33.361	1.00	56.52
ATOM	514	CD2	HIS	876	46.595	45.314	32.487	1.00	56.83
ATOM	515	ND1	HIS	876	46.191	44.149	34.297	1.00	60.22
ATOM	517	CE1	HIS	876	47.472	43.992	34.009	1.00	62.12
ATOM	518	NE2	HIS	876	47.739	44.689	32.916	1.00	59.66
ATOM	520	C	HIS	876	44.003	43.385	31.898	1.00	54.72
ATOM	521	O	HIS	876	44.510	43.712	30.810	1.00	54.08
ATOM	522	N	SER	877	44.167	42.189	32.434	1.00	52.07
ATOM	524	CA	SER	877	44.872	41.160	31.704	1.00	53.73

FIG. 7(11)

ATOM	525	CB	SER	877	45.622	40.256	32.669	1.00	57.58
ATOM	526	OG	SER	877	46.559	41.054	33.379	1.00	63.62
ATOM	528	C	SER	877	43.880	40.410	30.810	1.00	51.29
ATOM	529	O	SER	877	44.227	39.962	29.715	1.00	50.11
ATOM	530	N	GLU	878	42.629	40.320	31.246	1.00	47.72
ATOM	532	CA	GLU	878	41.620	39.696	30.410	1.00	45.39
ATOM	533	CB	GLU	878	40.335	39.483	31.201	1.00	48.19
ATOM	534	CG	GLU	878	40.383	38.191	32.013	1.00	60.86
ATOM	535	CD	GLU	878	39.304	38.086	33.092	1.00	68.27
ATOM	536	OE1	GLU	878	38.448	37.162	33.027	1.00	70.85
ATOM	537	OE2	GLU	878	39.336	38.911	34.029	1.00	67.92
ATOM	538	C	GLU	878	41.448	40.702	29.277	1.00	40.09
ATOM	539	O	GLU	878	41.536	40.365	28.104	1.00	38.92
ATOM	540	N	HIS	879	41.393	41.966	29.659	1.00	34.60
ATOM	542	CA	HIS	879	41.252	43.072	28.732	1.00	36.68
ATOM	543	CB	HIS	879	41.070	44.392	29.505	1.00	44.03
ATOM	544	CG	HIS	879	40.637	45.547	28.652	1.00	43.54
ATOM	545	CD2	HIS	879	39.403	46.025	28.364	1.00	40.08
ATOM	546	ND1	HIS	879	41.529	46.307	27.917	1.00	39.08
ATOM	548	CE1	HIS	879	40.860	47.192	27.202	1.00	40.82
ATOM	549	NE2	HIS	879	39.572	47.045	27.452	1.00	49.01
ATOM	551	C	HIS	879	42.455	43.172	27.797	1.00	34.17
ATOM	552	O	HIS	879	42.293	43.494	26.626	1.00	33.65
ATOM	553	N	ARG	880	43.664	42.993	28.319	1.00	33.25
ATOM	555	CA	ARG	880	44.838	43.033	27.470	1.00	29.84
ATOM	556	CB	ARG	880	46.124	42.932	28.299	1.00	36.53
ATOM	557	CG	ARG	880	46.615	41.470	28.452	1.00	50.57
ATOM	558	CD	ARG	880	48.121	41.276	28.649	1.00	56.95
ATOM	559	NE	ARG	880	48.555	41.748	29.960	1.00	63.99
ATOM	561	CZ	ARG	880	49.030	42.967	30.175	1.00	66.67
ATOM	562	NH1	ARG	880	49.391	43.327	31.397	1.00	66.45
ATOM	565	NH2	ARG	880	49.170	43.813	29.157	1.00	66.52
ATOM	568	C	ARG	880	44.741	41.799	26.533	1.00	29.72
ATOM	569	O	ARG	880	45.246	41.808	25.401	1.00	21.81
ATOM	570	N	ALA	881	44.070	40.747	27.006	1.00	28.49
ATOM	572	CA	ALA	881	43.942	39.514	26.227	1.00	31.72
ATOM	573	CB	ALA	881	43.587	38.342	27.142	1.00	31.57
ATOM	574	C	ALA	881	42.978	39.592	25.044	1.00	29.98
ATOM	575	O	ALA	881	43.319	39.154	23.944	1.00	31.95
ATOM	576	N	LEU	882	41.766	40.099	25.273	1.00	27.12
ATOM	578	CA	LEU	882	40.804	40.248	24.193	1.00	27.43
ATOM	579	CB	LEU	882	39.493	40.784	24.728	1.00	23.93
ATOM	580	CG	LEU	882	38.402	40.925	23.662	1.00	25.91

FIG. 7(12)

ATOM	581	CD1	LEU	882	38.435	39.722	22.743	1.00	21.91
ATOM	582	CD2	LEU	882	37.013	41.102	24.325	1.00	23.61
ATOM	583	C	LEU	882	41.368	41.230	23.151	1.00	30.62
ATOM	584	O	LEU	882	41.312	40.982	21.945	1.00	27.61
ATOM	585	N	MET	883	41.940	42.325	23.643	1.00	29.74
ATOM	587	CA	MET	883	42.548	43.364	22.808	1.00	30.75
ATOM	588	CB	MET	883	43.001	44.516	23.738	1.00	27.47
ATOM	589	CG	MET	883	43.432	45.828	23.084	1.00	33.64
ATOM	590	SD	MET	883	42.313	46.592	21.882	1.00	33.18
ATOM	591	CE	MET	883	41.031	47.285	22.943	1.00	33.54
ATOM	592	C	MET	883	43.711	42.756	21.965	1.00	29.92
ATOM	593	O	MET	883	43.862	43.022	20.766	1.00	28.38
ATOM	594	N	SER	884	44.501	41.893	22.588	1.00	29.75
ATOM	596	CA	SER	884	45.597	41.231	21.912	1.00	28.29
ATOM	597	CB	SER	884	46.343	40.391	22.923	1.00	32.03
ATOM	598	OG	SER	884	47.220	39.502	22.270	1.00	44.59
ATOM	600	C	SER	884	45.091	40.329	20.778	1.00	29.39
ATOM	601	O	SER	884	45.595	40.359	19.654	1.00	28.92
ATOM	602	N	GLU	885	44.084	39.526	21.071	1.00	25.33
ATOM	604	CA	GLU	885	43.559	38.661	20.058	1.00	27.47
ATOM	605	CB	GLU	885	42.563	37.692	20.661	1.00	31.61
ATOM	606	CG	GLU	885	41.142	38.108	20.642	1.00	46.01
ATOM	607	CD	GLU	885	40.215	36.903	20.799	1.00	55.19
ATOM	608	OE1	GLU	885	40.018	36.469	21.964	1.00	58.80
ATOM	609	OE2	GLU	885	39.715	36.379	19.762	1.00	54.01
ATOM	610	C	GLU	885	42.945	39.470	18.924	1.00	28.59
ATOM	611	O	GLU	885	42.833	38.983	17.805	1.00	26.67
ATOM	612	N	LEU	886	42.560	40.712	19.211	1.00	27.06
ATOM	614	CA	LEU	886	41.994	41.594	18.205	1.00	23.75
ATOM	615	CB	LEU	886	41.483	42.887	18.847	1.00	22.79
ATOM	616	CG	LEU	886	41.122	44.033	17.905	1.00	17.60
ATOM	617	CD1	LEU	886	39.981	43.608	16.999	1.00	11.98
ATOM	618	CD2	LEU	886	40.747	45.285	18.702	1.00	18.31
ATOM	619	C	LEU	886	43.049	41.936	17.147	1.00	24.77
ATOM	620	O	LEU	886	42.767	41.880	15.939	1.00	22.15
ATOM	621	N	LYS	887	44.265	42.246	17.602	1.00	25.08
ATOM	623	CA	LYS	887	45.384	42.613	16.722	1.00	24.94
ATOM	624	CB	LYS	887	46.517	43.227	17.544	1.00	29.70
ATOM	625	CG	LYS	887	46.105	44.304	18.560	1.00	30.67
ATOM	626	CD	LYS	887	45.556	45.551	17.895	1.00	28.99
ATOM	627	CE	LYS	887	45.170	46.645	18.923	1.00	26.07
ATOM	628	NZ	LYS	887	46.354	47.216	19.621	1.00	17.59
ATOM	632	C	LYS	887	45.921	41.407	15.925	1.00	25.59

FIG. 7(13)

ATOM	633	O	LYS	887	46.388	41.547	14.793	1.00	30.23
ATOM	634	N	ILE	888	45.917	40.235	16.542	1.00	20.48
ATOM	636	CA	ILE	888	46.347	39.028	15.859	1.00	21.46
ATOM	637	CB	ILE	888	46.306	37.795	16.816	1.00	22.73
ATOM	638	CG2	ILE	888	46.604	36.556	16.047	1.00	24.05
ATOM	639	CG1	ILE	888	47.355	37.929	17.937	1.00	23.32
ATOM	640	CD1	ILE	888	47.092	37.058	19.190	1.00	18.29
ATOM	641	C	ILE	888	45.392	38.822	14.663	1.00	19.51
ATOM	642	O	ILE	888	45.834	38.710	13.529	1.00	19.15
ATOM	643	N	LEU	889	44.088	38.828	14.922	1.00	15.54
ATOM	645	CA	LEU	889	43.078	38.677	13.872	1.00	20.73
ATOM	646	CB	LEU	889	41.658	38.818	14.446	1.00	19.41
ATOM	647	CG	LEU	889	41.204	37.652	15.372	1.00	22.61
ATOM	648	CD1	LEU	889	39.735	37.752	15.697	1.00	13.49
ATOM	649	CD2	LEU	889	41.500	36.263	14.764	1.00	18.87
ATOM	650	C	LEU	889	43.308	39.678	12.762	1.00	24.12
ATOM	651	O	LEU	889	43.342	39.344	11.584	1.00	28.65
ATOM	652	N	ILE	890	43.461	40.931	13.138	1.00	29.62
ATOM	654	CA	ILE	890	43.753	41.953	12.158	1.00	26.41
ATOM	655	CB	ILE	890	43.966	43.310	12.865	1.00	24.45
ATOM	656	CG2	ILE	890	44.555	44.333	11.888	1.00	30.36
ATOM	657	CG1	ILE	890	42.645	43.825	13.438	1.00	19.80
ATOM	658	CD1	ILE	890	42.812	45.061	14.241	1.00	14.93
ATOM	659	C	ILE	890	45.053	41.519	11.415	1.00	28.37
ATOM	660	O	ILE	890	45.126	41.553	10.191	1.00	24.83
ATOM	661	N	HIS	891	46.066	41.099	12.164	1.00	27.37
ATOM	663	CA	HIS	891	47.309	40.659	11.567	1.00	27.76
ATOM	664	CB	HIS	891	48.277	40.175	12.654	1.00	36.80
ATOM	665	CG	HIS	891	49.509	39.507	12.100	1.00	47.58
ATOM	666	CD2	HIS	891	50.811	39.869	12.147	1.00	46.38
ATOM	667	ND1	HIS	891	49.450	38.394	11.276	1.00	52.71
ATOM	669	CE1	HIS	891	50.660	38.114	10.825	1.00	50.46
ATOM	670	NE2	HIS	891	51.505	38.993	11.340	1.00	54.62
ATOM	672	C	HIS	891	47.098	39.536	10.537	1.00	27.01
ATOM	673	O	HIS	891	47.522	39.647	9.402	1.00	32.82
ATOM	674	N	ILE	892	46.580	38.403	10.995	1.00	24.99
ATOM	676	CA	ILE	892	46.300	37.216	10.181	1.00	23.19
ATOM	677	CB	ILE	892	45.233	36.282	10.907	1.00	24.73
ATOM	678	CG2	ILE	892	44.643	35.295	9.941	1.00	20.03
ATOM	679	CG1	ILE	892	45.828	35.522	12.104	1.00	26.32
ATOM	680	CD1	ILE	892	47.015	36.222	12.787	1.00	36.72
ATOM	681	C	ILE	892	45.700	37.625	8.848	1.00	22.57
ATOM	682	O	ILE	892	46.115	37.155	7.775	1.00	25.20

FIG. 7(14)

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ATOM   683  N   GLY  893      44.699  38.492   8.916  1.00 23.88
ATOM   685  CA  GLY  893      44.034  38.910   7.702  1.00 25.37
ATOM   686  C   GLY  893      42.794  38.080   7.403  1.00 25.54
ATOM   687  O   GLY  893      42.303  37.326   8.224  1.00 32.60
ATOM   688  N   HIS  894      42.327  38.149   6.176  1.00 26.97
ATOM   690  CA  HIS  894      41.120  37.457   5.797  1.00 26.35
ATOM   691  CB  HIS  894      40.233  38.464   5.042  1.00 31.72
ATOM   692  CG  HIS  894      39.114  37.833   4.274  1.00 35.68
ATOM   693  CD2 HIS  894      37.818  37.609   4.608  1.00 34.18
ATOM   694  ND1 HIS  894      39.271  37.346   2.989  1.00 38.36
ATOM   696  CE1 HIS  894      38.121  36.854   2.568  1.00 36.24
ATOM   697  NE2 HIS  894      37.224  37.004   3.527  1.00 35.86
ATOM   699  C   HIS  894      41.253  36.182   4.958  1.00 24.38
ATOM   700  O   HIS  894      42.045  36.108   4.007  1.00 24.24
ATOM   701  N   HIS  895      40.426  35.202   5.280  1.00 17.00
ATOM   703  CA  HIS  895      40.379  33.994   4.494  1.00 18.62
ATOM   704  CB  HIS  895      41.363  32.929   4.931  1.00 15.85
ATOM   705  CG  HIS  895      41.446  31.814   3.943  1.00 21.47
ATOM   706  CD2 HIS  895      42.076  31.737   2.745  1.00 17.93
ATOM   707  ND1 HIS  895      40.675  30.676   4.042  1.00 21.96
ATOM   709  CE1 HIS  895      40.819  29.956   2.938  1.00 21.22
ATOM   710  NE2 HIS  895      41.663  30.578   2.137  1.00 10.16
ATOM   712  C   HIS  895      38.979  33.467   4.626  1.00 15.66
ATOM   713  O   HIS  895      38.396  33.656   5.663  1.00 18.76
ATOM   714  N   LEU  896      38.419  32.865   3.567  1.00 21.74
ATOM   716  CA  LEU  896      37.042  32.306   3.584  1.00 18.37
ATOM   717  CB  LEU  896      36.652  31.762   2.210  1.00 17.64
ATOM   718  CG  LEU  896      35.297  31.068   2.218  1.00 25.15
ATOM   719  CD1 LEU  896      34.218  32.077   2.454  1.00 24.41
ATOM   720  CD2 LEU  896      35.042  30.342   0.934  1.00 25.59
ATOM   721  C   LEU  896      36.867  31.172   4.569  1.00 17.58
ATOM   722  O   LEU  896      35.783  30.937   5.068  1.00 23.11
ATOM   723  N   ASN  897      37.952  30.475   4.849  1.00 15.99
ATOM   725  CA  ASN  897      37.878  29.340   5.725  1.00 18.36
ATOM   726  CB  ASN  897      38.589  28.134   5.078  1.00 20.86
ATOM   727  CG  ASN  897      37.928  27.689   3.747  1.00 16.88
ATOM   728  OD1 ASN  897      38.567  27.692   2.694  1.00 14.51
ATOM   729  ND2 ASN  897      36.639  27.346   3.799  1.00 12.11
ATOM   732  C   ASN  897      38.293  29.541   7.188  1.00 25.65
ATOM   733  O   ASN  897      38.648  28.556   7.858  1.00 22.22
ATOM   734  N   VAL  898      38.357  30.800   7.660  1.00 23.53
ATOM   736  CA  VAL  898      38.631  31.079   9.081  1.00 15.38
ATOM   737  CB  VAL  898      40.036  31.719   9.457  1.00 11.47
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FIG. 7(15)

ATOM	738	CG1	VAL	898	41.146	30.813	9.017	1.00	14.76
ATOM	739	CG2	VAL	898	40.236	33.119	8.883	1.00	8.71
ATOM	740	C	VAL	898	37.475	31.959	9.477	1.00	15.57
ATOM	741	O	VAL	898	36.698	32.382	8.620	1.00	17.87
ATOM	742	N	VAL	899	37.226	32.049	10.773	1.00	18.55
ATOM	744	CA	VAL	899	36.155	32.882	11.264	1.00	20.68
ATOM	745	CB	VAL	899	35.757	32.487	12.720	1.00	19.98
ATOM	746	CG1	VAL	899	34.618	33.384	13.202	1.00	18.29
ATOM	747	CG2	VAL	899	35.346	31.016	12.788	1.00	12.67
ATOM	748	C	VAL	899	36.807	34.272	11.244	1.00	21.95
ATOM	749	O	VAL	899	37.725	34.517	12.003	1.00	21.42
ATOM	750	N	ASN	900	36.352	35.164	10.363	1.00	23.43
ATOM	752	CA	ASN	900	36.930	36.526	10.226	1.00	23.52
ATOM	753	CB	ASN	900	36.737	37.061	8.803	1.00	19.45
ATOM	754	CG	ASN	900	37.350	36.177	7.782	1.00	19.58
ATOM	755	OD1	ASN	900	38.578	36.087	7.667	1.00	17.65
ATOM	756	ND2	ASN	900	36.511	35.528	7.004	1.00	20.34
ATOM	759	C	ASN	900	36.484	37.641	11.152	1.00	17.00
ATOM	760	O	ASN	900	35.343	37.704	11.598	1.00	16.94
ATOM	761	N	LEU	901	37.413	38.544	11.384	1.00	17.25
ATOM	763	CA	LEU	901	37.167	39.733	12.160	1.00	17.98
ATOM	764	CB	LEU	901	38.494	40.447	12.426	1.00	16.80
ATOM	765	CG	LEU	901	38.444	41.819	13.101	1.00	14.17
ATOM	766	CD1	LEU	901	38.018	41.673	14.560	1.00	11.71
ATOM	767	CD2	LEU	901	39.782	42.435	13.008	1.00	2.76
ATOM	768	C	LEU	901	36.354	40.578	11.174	1.00	20.28
ATOM	769	O	LEU	901	36.669	40.612	9.965	1.00	18.06
ATOM	770	N	LEU	902	35.280	41.180	11.686	1.00	19.74
ATOM	772	CA	LEU	902	34.398	42.031	10.917	1.00	15.84
ATOM	773	CB	LEU	902	32.950	41.593	11.087	1.00	11.70
ATOM	774	CG	LEU	902	32.615	40.230	10.473	1.00	13.49
ATOM	775	CD1	LEU	902	31.142	39.827	10.774	1.00	13.78
ATOM	776	CD2	LEU	902	32.856	40.270	8.981	1.00	12.15
ATOM	777	C	LEU	902	34.566	43.486	11.345	1.00	19.59
ATOM	778	O	LEU	902	34.466	44.380	10.510	1.00	23.95
ATOM	779	N	GLY	903	34.854	43.724	12.625	1.00	20.15
ATOM	781	CA	GLY	903	35.037	45.090	13.114	1.00	21.60
ATOM	782	C	GLY	903	35.147	45.075	14.620	1.00	24.02
ATOM	783	O	GLY	903	35.070	43.991	15.194	1.00	26.53
ATOM	784	N	ALA	904	35.305	46.236	15.269	1.00	25.19
ATOM	786	CA	ALA	904	35.411	46.293	16.740	1.00	18.80
ATOM	787	CB	ALA	904	36.830	46.074	17.177	1.00	12.62
ATOM	788	C	ALA	904	34.886	47.559	17.386	1.00	20.83

FIG. 7(16)

ATOM	789	O	ALA	904	34.789	48.616	16.765	1.00	26.12
ATOM	790	N	CYS	905	34.617	47.443	18.674	1.00	21.21
ATOM	792	CA	CYS	905	34.128	48.530	19.493	1.00	19.91
ATOM	793	CB	CYS	905	32.804	48.160	20.115	1.00	16.08
ATOM	794	SG	CYS	905	31.561	47.894	18.851	1.00	15.32
ATOM	795	C	CYS	905	35.176	48.687	20.556	1.00	23.00
ATOM	796	O	CYS	905	35.245	47.890	21.486	1.00	24.21
ATOM	797	N	THR	906	36.042	49.674	20.361	1.00	26.02
ATOM	799	CA	THR	906	37.140	49.945	21.283	1.00	29.46
ATOM	800	CB	THR	906	38.514	49.768	20.574	1.00	26.67
ATOM	801	OG1	THR	906	38.635	50.739	19.526	1.00	29.06
ATOM	803	CG2	THR	906	38.648	48.363	20.001	1.00	23.13
ATOM	804	C	THR	906	37.130	51.346	21.928	1.00	30.07
ATOM	805	O	THR	906	37.642	51.522	23.036	1.00	29.29
ATOM	806	N	LYS	907	36.582	52.332	21.228	1.00	32.81
ATOM	808	CA	LYS	907	36.554	53.686	21.745	1.00	39.38
ATOM	809	CB	LYS	907	35.982	54.637	20.701	1.00	41.03
ATOM	810	CG	LYS	907	34.536	54.432	20.386	1.00	48.86
ATOM	811	CD	LYS	907	34.071	55.528	19.427	1.00	57.25
ATOM	812	CE	LYS	907	33.996	56.878	20.143	1.00	63.62
ATOM	813	NZ	LYS	907	33.688	58.001	19.213	1.00	68.81
ATOM	817	C	LYS	907	35.796	53.779	23.070	1.00	44.43
ATOM	818	O	LYS	907	35.094	52.867	23.442	1.00	44.52
ATOM	819	N	PRO	908	36.034	54.838	23.857	1.00	49.18
ATOM	820	CD	PRO	908	37.147	55.794	23.712	1.00	50.93
ATOM	821	CA	PRO	908	35.358	55.022	25.149	1.00	46.86
ATOM	822	CB	PRO	908	35.963	56.324	25.647	1.00	49.68
ATOM	823	CG	PRO	908	37.387	56.216	25.143	1.00	51.43
ATOM	824	C	PRO	908	33.852	55.145	25.036	1.00	44.06
ATOM	825	O	PRO	908	33.345	55.600	24.008	1.00	44.40
ATOM	826	N	GLY	909	33.154	54.772	26.110	1.00	41.44
ATOM	828	CA	GLY	909	31.698	54.842	26.135	1.00	37.38
ATOM	829	C	GLY	909	30.999	53.502	26.035	1.00	38.26
ATOM	830	O	GLY	909	29.778	53.439	25.751	1.00	40.07
ATOM	831	N	GLY	910	31.753	52.424	26.264	1.00	36.39
ATOM	833	CA	GLY	910	31.178	51.087	26.190	1.00	34.35
ATOM	834	C	GLY	910	32.180	49.961	26.360	1.00	31.85
ATOM	835	O	GLY	910	33.394	50.235	26.528	1.00	27.95
ATOM	836	N	PRO	911	31.710	48.686	26.319	1.00	27.95
ATOM	837	CD	PRO	911	30.280	48.339	26.197	1.00	28.51
ATOM	838	CA	PRO	911	32.511	47.463	26.467	1.00	25.21
ATOM	839	CB	PRO	911	31.438	46.393	26.724	1.00	27.44
ATOM	840	CG	PRO	911	30.315	46.840	25.891	1.00	22.45

FIG. 7(17)

ATOM	841	C	PRO	911	33.340	47.118	25.234	1.00	22.33
ATOM	842	O	PRO	911	32.903	47.366	24.124	1.00	23.57
ATOM	843	N	LEU	912	34.548	46.581	25.430	1.00	22.75
ATOM	845	CA	LEU	912	35.412	46.177	24.308	1.00	23.22
ATOM	846	CB	LEU	912	36.778	45.685	24.812	1.00	23.67
ATOM	847	CG	LEU	912	38.095	45.759	24.005	1.00	24.34
ATOM	848	CD1	LEU	912	38.988	44.618	24.490	1.00	20.11
ATOM	849	CD2	LEU	912	37.906	45.745	22.477	1.00	12.72
ATOM	850	C	LEU	912	34.692	45.010	23.627	1.00	22.56
ATOM	851	O	LEU	912	34.342	44.029	24.283	1.00	17.69
ATOM	852	N	MET	913	34.417	45.142	22.334	1.00	24.19
ATOM	854	CA	MET	913	33.724	44.085	21.617	1.00	21.51
ATOM	855	CB	MET	913	32.264	44.456	21.429	1.00	22.09
ATOM	856	CG	MET	913	31.489	44.461	22.728	1.00	22.26
ATOM	857	SD	MET	913	29.829	45.009	22.484	1.00	24.17
ATOM	858	CE	MET	913	30.127	46.676	22.205	1.00	20.40
ATOM	859	C	MET	913	34.386	43.768	20.295	1.00	20.42
ATOM	860	O	MET	913	34.701	44.657	19.519	1.00	21.08
ATOM	861	N	VAL	914	34.703	42.491	20.102	1.00	23.72
ATOM	863	CA	VAL	914	35.354	42.001	18.891	1.00	20.24
ATOM	864	CB	VAL	914	36.614	41.170	19.232	1.00	16.92
ATOM	865	CG1	VAL	914	37.254	40.637	17.958	1.00	19.36
ATOM	866	CG2	VAL	914	37.629	42.055	19.972	1.00	13.30
ATOM	867	C	VAL	914	34.296	41.210	18.132	1.00	19.70
ATOM	868	O	VAL	914	33.836	40.191	18.587	1.00	26.45
ATOM	869	N	ILE	915	33.844	41.775	17.026	1.00	19.86
ATOM	871	CA	ILE	915	32.806	41.212	16.179	1.00	20.42
ATOM	872	CB	ILE	915	32.034	42.384	15.455	1.00	18.44
ATOM	873	CG2	ILE	915	30.721	41.909	14.869	1.00	12.35
ATOM	874	CG1	ILE	915	31.756	43.531	16.426	1.00	17.60
ATOM	875	CD1	ILE	915	31.358	44.822	15.735	1.00	15.14
ATOM	876	C	ILE	915	33.457	40.287	15.115	1.00	23.98
ATOM	877	O	ILE	915	34.361	40.722	14.373	1.00	23.30
ATOM	878	N	VAL	916	33.054	39.011	15.075	1.00	20.08
ATOM	880	CA	VAL	916	33.594	38.089	14.077	1.00	17.64
ATOM	881	CB	VAL	916	34.543	37.003	14.680	1.00	9.09
ATOM	882	CG1	VAL	916	35.703	37.685	15.350	1.00	5.05
ATOM	883	CG2	VAL	916	33.817	36.126	15.678	1.00	10.26
ATOM	884	C	VAL	916	32.422	37.486	13.342	1.00	17.74
ATOM	885	O	VAL	916	31.275	37.790	13.664	1.00	20.02
ATOM	886	N	GLU	917	32.684	36.702	12.303	1.00	14.74
ATOM	888	CA	GLU	917	31.589	36.073	11.577	1.00	13.03
ATOM	889	CB	GLU	917	32.120	35.409	10.332	1.00	14.06

FIG. 7(18)

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ATOM   890  CG  GLU  917      32.946  36.348   9.464  1.00 24.11
ATOM   891  CD  GLU  917      33.543  35.651   8.258  1.00 26.52
ATOM   892  OE1 GLU  917      33.060  35.904   7.139  1.00 27.67
ATOM   893  OE2 GLU  917      34.480  34.841   8.425  1.00 28.39
ATOM   894  C   GLU  917      30.853  35.051  12.434  1.00 14.78
ATOM   895  O   GLU  917      31.445  34.344  13.234  1.00 14.35
ATOM   896  N   PHE  918      29.557  34.958  12.229  1.00 19.12
ATOM   898  CA  PHE  918      28.688  34.042  12.966  1.00 18.07
ATOM   899  CB  PHE  918      27.334  34.721  13.168  1.00 18.48
ATOM   900  CG  PHE  918      26.275  33.840  13.748  1.00 17.83
ATOM   901  CD1 PHE  918      26.328  33.456  15.081  1.00 18.65
ATOM   902  CD2 PHE  918      25.213  33.400  12.953  1.00 21.10
ATOM   903  CE1 PHE  918      25.336  32.639  15.613  1.00 18.12
ATOM   904  CE2 PHE  918      24.210  32.580  13.473  1.00 14.29
ATOM   905  CZ  PHE  918      24.274  32.201  14.799  1.00 17.78
ATOM   906  C   PHE  918      28.487  32.805  12.113  1.00 18.83
ATOM   907  O   PHE  918      28.081  32.917  10.964  1.00 11.61
ATOM   908  N   CYS  919      28.761  31.635  12.676  1.00 19.49
ATOM   910  CA  CYS  919      28.590  30.372  11.947  1.00 19.00
ATOM   911  CB  CYS  919      29.855  29.566  12.069  1.00 16.78
ATOM   912  SG  CYS  919      31.225  30.428  11.325  1.00 16.84
ATOM   913  C   CYS  919      27.383  29.659  12.556  1.00 21.18
ATOM   914  O   CYS  919      27.474  29.135  13.676  1.00 20.69
ATOM   915  N   LYS  920      26.269  29.653  11.818  1.00 18.06
ATOM   917  CA  LYS  920      24.998  29.130  12.318  1.00 28.13
ATOM   918  CB  LYS  920      23.799  29.581  11.459  1.00 25.17
ATOM   919  CG  LYS  920      23.595  28.799  10.207  1.00 33.78
ATOM   920  CD  LYS  920      22.658  29.509   9.250  1.00 40.32
ATOM   921  CE  LYS  920      21.261  29.706   9.829  1.00 51.94
ATOM   922  NZ  LYS  920      20.343  30.396   8.845  1.00 56.09
ATOM   926  C   LYS  920      24.813  27.679  12.700  1.00 28.53
ATOM   927  O   LYS  920      24.020  27.405  13.592  1.00 31.57
ATOM   928  N   PHE  921      25.533  26.757  12.078  1.00 24.89
ATOM   930  CA  PHE  921      25.328  25.362  12.409  1.00 21.12
ATOM   931  CB  PHE  921      25.497  24.518  11.171  1.00 20.75
ATOM   932  CG  PHE  921      24.588  24.917  10.084  1.00 22.95
ATOM   933  CD1 PHE  921      23.224  24.734  10.219  1.00 27.55
ATOM   934  CD2 PHE  921      25.077  25.564   8.975  1.00 29.40
ATOM   935  CE1 PHE  921      22.362  25.205   9.269  1.00 35.42
ATOM   936  CE2 PHE  921      24.237  26.041   8.013  1.00 32.24
ATOM   937  CZ  PHE  921      22.869  25.870   8.154  1.00 38.81
ATOM   938  C   PHE  921      26.158  24.823  13.535  1.00 21.23
ATOM   939  O   PHE  921      26.002  23.664  13.900  1.00 22.74
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FIG. 7(19)

ATOM	940	N	GLY	922	27.047	25.659	14.065	1.00	18.39
ATOM	942	CA	GLY	922	27.906	25.257	15.172	1.00	17.62
ATOM	943	C	GLY	922	29.115	24.455	14.759	1.00	18.42
ATOM	944	O	GLY	922	29.331	24.230	13.581	1.00	20.81
ATOM	945	N	ASN	923	29.903	24.011	15.729	1.00	22.93
ATOM	947	CA	ASN	923	31.092	23.223	15.430	1.00	24.85
ATOM	948	CB	ASN	923	31.867	22.837	16.705	1.00	29.68
ATOM	949	CG	ASN	923	31.212	21.710	17.493	1.00	39.14
ATOM	950	OD1	ASN	923	31.252	20.550	17.087	1.00	41.11
ATOM	951	ND2	ASN	923	30.662	22.038	18.660	1.00	35.87
ATOM	954	C	ASN	923	30.818	22.019	14.523	1.00	21.09
ATOM	955	O	ASN	923	29.685	21.566	14.370	1.00	20.59
ATOM	956	N	LEU	924	31.867	21.523	13.896	1.00	21.13
ATOM	958	CA	LEU	924	31.740	20.431	12.957	1.00	22.85
ATOM	959	CB	LEU	924	33.019	20.377	12.126	1.00	23.67
ATOM	960	CG	LEU	924	33.019	19.462	10.920	1.00	17.22
ATOM	961	CD1	LEU	924	31.776	19.699	10.125	1.00	18.21
ATOM	962	CD2	LEU	924	34.268	19.729	10.095	1.00	23.82
ATOM	963	C	LEU	924	31.414	19.062	13.558	1.00	22.65
ATOM	964	O	LEU	924	30.601	18.326	13.013	1.00	26.13
ATOM	965	N	SER	925	31.035	18.742	14.687	1.00	20.06
ATOM	967	CA	SER	925	31.853	17.463	15.383	1.00	25.99
ATOM	968	CB	SER	925	32.741	17.400	16.623	1.00	27.28
ATOM	969	OG	SER	925	32.426	16.272	17.416	1.00	32.86
ATOM	971	C	SER	925	30.432	17.217	15.812	1.00	26.73
ATOM	972	O	SER	925	29.863	16.148	15.552	1.00	30.93
ATOM	973	N	THR	926	29.892	18.190	16.534	1.00	24.48
ATOM	975	CA	THR	926	28.535	18.129	16.996	1.00	19.27
ATOM	976	CB	THR	926	28.258	19.336	17.901	1.00	16.05
ATOM	977	OG1	THR	926	29.230	19.374	18.951	1.00	18.42
ATOM	979	CG2	THR	926	26.927	19.216	18.550	1.00	13.93
ATOM	980	C	THR	926	27.610	18.048	15.758	1.00	20.47
ATOM	981	O	THR	926	26.654	17.258	15.711	1.00	25.12
ATOM	982	N	TYR	927	27.961	18.760	14.701	1.00	18.97
ATOM	984	CA	TYR	927	27.128	18.715	13.515	1.00	20.97
ATOM	985	CB	TYR	927	27.597	19.720	12.464	1.00	18.52
ATOM	986	CG	TYR	927	26.708	19.683	11.230	1.00	18.69
ATOM	987	CD1	TYR	927	25.391	20.196	11.266	1.00	14.64
ATOM	988	CE1	TYR	927	24.567	20.173	10.125	1.00	13.73
ATOM	989	CD2	TYR	927	27.173	19.138	10.031	1.00	22.28
ATOM	990	CE2	TYR	927	26.347	19.104	8.879	1.00	24.92
ATOM	991	CZ	TYR	927	25.058	19.626	8.944	1.00	16.40
ATOM	992	OH	TYR	927	24.285	19.600	7.819	1.00	23.87

FIG. 7(20)

ATOM	994	C	TYR	927	27.118	17.343	12.855	1.00	23.85
ATOM	995	O	TYR	927	26.078	16.860	12.428	1.00	24.11
ATOM	996	N	LEU	928	28.313	16.793	12.665	1.00	28.91
ATOM	998	CA	LEU	928	28.513	15.495	12.020	1.00	31.09
ATOM	999	CB	LEU	928	30.017	15.192	11.863	1.00	27.50
ATOM	1000	CG	LEU	928	30.813	16.159	10.953	1.00	24.21
ATOM	1001	CD1	LEU	928	32.302	15.880	11.065	1.00	24.38
ATOM	1002	CD2	LEU	928	30.343	16.097	9.514	1.00	12.63
ATOM	1003	C	LEU	928	27.801	14.369	12.747	1.00	31.00
ATOM	1004	O	LEU	928	27.164	13.540	12.117	1.00	31.53
ATOM	1005	N	ARG	929	27.883	14.351	14.067	1.00	34.05
ATOM	1007	CA	ARG	929	27.193	13.316	14.833	1.00	40.50
ATOM	1008	CB	ARG	929	27.406	13.552	16.325	1.00	41.71
ATOM	1009	CG	ARG	929	28.358	12.605	16.969	1.00	40.42
ATOM	1010	CD	ARG	929	29.253	13.359	17.908	1.00	49.36
ATOM	1011	NE	ARG	929	28.521	13.947	19.020	1.00	62.28
ATOM	1013	CZ	ARG	929	28.946	14.985	19.749	1.00	65.86
ATOM	1014	NH1	ARG	929	28.178	15.432	20.753	1.00	66.98
ATOM	1017	NH2	ARG	929	30.122	15.573	19.492	1.00	58.39
ATOM	1020	C	ARG	929	25.678	13.304	14.529	1.00	42.76
ATOM	1021	O	ARG	929	25.075	12.234	14.370	1.00	44.84
ATOM	1022	N	SER	930	25.089	14.498	14.412	1.00	41.42
ATOM	1024	CA	SER	930	23.663	14.677	14.150	1.00	37.04
ATOM	1025	CB	SER	930	23.324	16.151	14.250	1.00	38.80
ATOM	1026	OG	SER	930	23.662	16.816	13.041	1.00	37.58
ATOM	1028	C	SER	930	23.226	14.226	12.774	1.00	38.41
ATOM	1029	O	SER	930	22.034	14.254	12.451	1.00	43.98
ATOM	1030	N	LYS	931	24.179	13.865	11.936	1.00	37.60
ATOM	1032	CA	LYS	931	23.845	13.472	10.590	1.00	38.82
ATOM	1033	CB	LYS	931	24.575	14.387	9.606	1.00	43.10
ATOM	1034	CG	LYS	931	24.388	15.864	9.884	1.00	45.62
ATOM	1035	CD	LYS	931	22.999	16.302	9.487	1.00	49.49
ATOM	1036	CE	LYS	931	22.901	16.444	7.985	1.00	46.94
ATOM	1037	NZ	LYS	931	21.501	16.690	7.568	1.00	49.54
ATOM	1041	C	LYS	931	24.136	12.011	10.264	1.00	39.02
ATOM	1042	O	LYS	931	23.991	11.615	9.111	1.00	42.79
ATOM	1043	N	ARG	932	24.522	11.199	11.247	1.00	37.44
ATOM	1045	CA	ARG	932	24.793	9.776	10.971	1.00	38.33
ATOM	1046	CB	ARG	932	25.149	9.020	12.244	1.00	33.55
ATOM	1047	CG	ARG	932	26.456	9.461	12.798	1.00	33.92
ATOM	1048	CD	ARG	932	26.812	8.729	14.043	1.00	35.88
ATOM	1049	NE	ARG	932	28.223	8.929	14.368	1.00	43.26
ATOM	1051	CZ	ARG	932	28.720	8.909	15.604	1.00	45.56

FIG. 7(21)

ATOM	1052	NH1	ARG	932	30.018	9.098	15.809	1.00	47.32
ATOM	1055	NH2	ARG	932	27.916	8.725	16.645	1.00	53.04
ATOM	1058	C	ARG	932	23.621	9.087	10.273	1.00	41.54
ATOM	1059	O	ARG	932	23.821	8.135	9.532	1.00	41.31
ATOM	1060	N	ASN	933	22.412	9.582	10.536	1.00	44.37
ATOM	1062	CA	ASN	933	21.181	9.069	9.956	1.00	47.14
ATOM	1063	CB	ASN	933	19.974	9.453	10.824	1.00	54.55
ATOM	1064	CG	ASN	933	19.783	8.545	12.050	1.00	57.14
ATOM	1065	OD1	ASN	933	20.622	7.693	12.369	1.00	54.11
ATOM	1066	ND2	ASN	933	18.668	8.752	12.757	1.00	57.76
ATOM	1069	C	ASN	933	20.974	9.680	8.589	1.00	49.60
ATOM	1070	O	ASN	933	20.260	9.125	7.753	1.00	55.62
ATOM	1071	N	GLU	934	21.494	10.888	8.403	1.00	52.11
ATOM	1073	CA	GLU	934	21.365	11.580	7.122	1.00	52.39
ATOM	1074	CB	GLU	934	20.859	13.007	7.323	1.00	56.14
ATOM	1075	CG	GLU	934	19.434	13.095	7.822	1.00	59.40
ATOM	1076	CD	GLU	934	19.332	13.686	9.211	1.00	63.97
ATOM	1077	OE1	GLU	934	18.427	13.250	9.953	1.00	69.17
ATOM	1078	OE2	GLU	934	20.138	14.580	9.563	1.00	64.27
ATOM	1079	C	GLU	934	22.677	11.593	6.332	1.00	50.45
ATOM	1080	O	GLU	934	23.188	12.663	5.961	1.00	50.70
ATOM	1081	N	PHE	935	23.205	10.396	6.070	1.00	46.25
ATOM	1083	CA	PHE	935	24.440	10.225	5.325	1.00	41.20
ATOM	1084	CB	PHE	935	25.638	10.121	6.268	1.00	40.97
ATOM	1085	CG	PHE	935	26.923	9.800	5.555	1.00	39.81
ATOM	1086	CD1	PHE	935	27.327	8.478	5.378	1.00	34.65
ATOM	1087	CD2	PHE	935	27.676	10.815	4.970	1.00	33.02
ATOM	1088	CE1	PHE	935	28.455	8.180	4.617	1.00	32.30
ATOM	1089	CE2	PHE	935	28.793	10.515	4.218	1.00	29.96
ATOM	1090	CZ	PHE	935	29.181	9.201	4.037	1.00	29.08
ATOM	1091	C	PHE	935	24.474	9.006	4.412	1.00	40.49
ATOM	1092	O	PHE	935	24.394	7.871	4.865	1.00	40.47
ATOM	1093	N	VAL	936	24.694	9.237	3.133	1.00	38.66
ATOM	1095	CA	VAL	936	24.809	8.138	2.208	1.00	43.29
ATOM	1096	CB	VAL	936	23.663	8.113	1.221	1.00	40.39
ATOM	1097	CG1	VAL	936	23.739	9.312	0.280	1.00	34.50
ATOM	1098	CG2	VAL	936	23.720	6.841	0.444	1.00	42.47
ATOM	1099	C	VAL	936	26.087	8.436	1.438	1.00	49.63
ATOM	1100	O	VAL	936	26.322	9.585	1.081	1.00	55.64
ATOM	1101	N	PRO	937	26.960	7.433	1.222	1.00	50.29
ATOM	1102	CD	PRO	937	26.966	6.087	1.822	1.00	49.69
ATOM	1103	CA	PRO	937	28.207	7.669	0.483	1.00	50.65
ATOM	1104	CB	PRO	937	28.676	6.260	0.177	1.00	46.68

FIG. 7(22)

ATOM	1105	CG	PRO	937	28.378	5.582	1.493	1.00	47.42
ATOM	1106	C	PRO	937	28.019	8.501	-0.774	1.00	53.83
ATOM	1107	O	PRO	937	28.644	9.558	-0.937	1.00	53.64
ATOM	1108	N	TYR	938	27.153	8.046	-1.660	1.00	54.91
ATOM	1110	CA	TYR	938	26.918	8.803	-2.859	1.00	62.52
ATOM	1111	CB	TYR	938	27.580	8.161	-4.080	1.00	67.73
ATOM	1120	C	TYR	938	25.443	8.800	-3.059	1.00	67.31
ATOM	1121	O	TYR	938	24.722	8.082	-2.361	1.00	66.13
ATOM	1122	N	LYS	939	25.027	9.601	-4.038	1.00	75.30
ATOM	1124	CA	LYS	939	23.639	9.770	-4.445	1.00	81.21
ATOM	1125	CB	LYS	939	23.209	11.254	-4.284	1.00	80.04
ATOM	1126	C	LYS	939	23.543	9.331	-5.921	1.00	87.24
ATOM	1127	O	LYS	939	24.582	9.384	-6.646	1.00	90.23
ATOM	1129	CB	ASP	998	17.986	15.692	3.023	1.00	53.00
ATOM	1130	C	ASP	998	20.489	15.723	3.377	1.00	55.33
ATOM	1131	O	ASP	998	21.051	16.058	4.426	1.00	56.29
ATOM	1134	N	ASP	998	19.408	16.931	1.400	1.00	54.52
ATOM	1136	CA	ASP	998	19.279	16.514	2.829	1.00	55.12
ATOM	1137	N	PHE	999	20.900	14.687	2.653	1.00	52.90
ATOM	1139	CA	PHE	999	21.984	13.834	3.111	1.00	46.86
ATOM	1140	CB	PHE	999	21.841	12.420	2.528	1.00	51.05
ATOM	1141	CG	PHE	999	20.897	11.537	3.296	1.00	55.62
ATOM	1142	CD1	PHE	999	21.249	10.236	3.606	1.00	56.12
ATOM	1143	CD2	PHE	999	19.671	12.022	3.751	1.00	60.98
ATOM	1144	CE1	PHE	999	20.397	9.422	4.368	1.00	61.93
ATOM	1145	CE2	PHE	999	18.816	11.222	4.509	1.00	61.09
ATOM	1146	CZ	PHE	999	19.183	9.917	4.820	1.00	60.64
ATOM	1147	C	PHE	999	23.373	14.302	2.837	1.00	41.06
ATOM	1148	O	PHE	999	23.632	14.937	1.820	1.00	36.04
ATOM	1149	N	LEU	1000	24.238	14.057	3.812	1.00	37.57
ATOM	1151	CA	LEU	1000	25.651	14.326	3.652	1.00	36.08
ATOM	1152	CB	LEU	1000	26.401	14.306	4.985	1.00	35.67
ATOM	1153	CG	LEU	1000	25.923	15.286	6.057	1.00	36.23
ATOM	1154	CD1	LEU	1000	26.941	15.370	7.201	1.00	29.94
ATOM	1155	CD2	LEU	1000	25.707	16.654	5.435	1.00	38.66
ATOM	1156	C	LEU	1000	26.089	13.139	2.756	1.00	35.16
ATOM	1157	O	LEU	1000	25.330	12.167	2.569	1.00	32.68
ATOM	1158	N	THR	1001	27.292	13.228	2.201	1.00	29.92
ATOM	1160	CA	THR	1001	27.803	12.236	1.285	1.00	25.42
ATOM	1161	CB	THR	1001	27.396	12.560	-0.178	1.00	30.10

FIG. 7(23)

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ATOM  1162  OG1 THR 1001      28.055  13.771  -0.605  1.00 33.54
ATOM  1164  CG2 THR 1001      25.878  12.741  -0.326  1.00 29.24
ATOM  1165  C   THR 1001      29.303  12.388   1.338  1.00 27.68
ATOM  1166  O   THR 1001      29.805  13.303   1.985  1.00 28.02
ATOM  1167  N   LEU 1002      30.020  11.552   0.592  1.00 26.85
ATOM  1169  CA  LEU 1002      31.454  11.636   0.572  1.00 24.39
ATOM  1170  CB  LEU 1002      32.044  10.545  -0.298  1.00 22.71
ATOM  1171  CG  LEU 1002      32.269   9.304   0.573  1.00 27.80
ATOM  1172  CD1 LEU 1002      32.727   8.142  -0.280  1.00 27.11
ATOM  1173  CD2 LEU 1002      33.295   9.592   1.670  1.00 24.64
ATOM  1174  C   LEU 1002      31.908  12.995   0.099  1.00 26.97
ATOM  1175  O   LEU 1002      32.967  13.459   0.506  1.00 26.84
ATOM  1176  N   GLU 1003      31.063  13.682  -0.666  1.00 27.89
ATOM  1178  CA  GLU 1003      31.428  15.000  -1.185  1.00 28.02
ATOM  1179  CB  GLU 1003      30.419  15.503  -2.208  1.00 32.50
ATOM  1180  CG  GLU 1003      30.988  16.624  -3.077  1.00 37.49
ATOM  1181  CD  GLU 1003      31.915  16.121  -4.170  1.00 38.89
ATOM  1182  OE1 GLU 1003      33.065  15.743  -3.886  1.00 43.61
ATOM  1183  OE2 GLU 1003      31.488  16.102  -5.331  1.00 46.97
ATOM  1184  C   GLU 1003      31.591  16.044  -0.117  1.00 25.24
ATOM  1185  O   GLU 1003      32.485  16.885  -0.211  1.00 26.57
ATOM  1186  N   HIS 1004      30.748  15.953   0.913  1.00 23.16
ATOM  1188  CA  HIS 1004      30.746  16.884   2.040  1.00 19.58
ATOM  1189  CB  HIS 1004      29.508  16.719   2.912  1.00 19.12
ATOM  1190  CG  HIS 1004      28.227  17.024   2.208  1.00 23.47
ATOM  1191  CD2 HIS 1004      27.173  17.784   2.570  1.00 23.78
ATOM  1192  ND1 HIS 1004      27.911  16.508   0.964  1.00 27.88
ATOM  1194  CE1 HIS 1004      26.718  16.936   0.596  1.00 20.57
ATOM  1195  NE2 HIS 1004      26.246  17.710   1.554  1.00 23.61
ATOM  1197  C   HIS 1004      31.940  16.631   2.885  1.00 21.64
ATOM  1198  O   HIS 1004      32.753  17.508   3.075  1.00 25.00
ATOM  1199  N   LEU 1005      32.055  15.419   3.394  1.00 23.11
ATOM  1201  CA  LEU 1005      33.186  15.072   4.222  1.00 23.79
ATOM  1202  CB  LEU 1005      33.131  13.581   4.589  1.00 24.17
ATOM  1203  CG  LEU 1005      32.183  13.199   5.743  1.00 27.48
ATOM  1204  CD1 LEU 1005      31.030  14.150   5.821  1.00 25.44
ATOM  1205  CD2 LEU 1005      31.679  11.771   5.627  1.00 22.50
ATOM  1206  C   LEU 1005      34.506  15.467   3.558  1.00 20.41
ATOM  1207  O   LEU 1005      35.361  16.034   4.206  1.00 21.82
ATOM  1208  N   ILE 1006      34.668  15.212   2.264  1.00 19.50
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FIG. 7(24)

ATOM	1210	CA	ILE	1006	35.914	15.589	1.609	1.00	18.77
ATOM	1211	CB	ILE	1006	36.128	14.806	0.276	1.00	16.46
ATOM	1212	CG2	ILE	1006	37.602	14.777	-0.103	1.00	12.82
ATOM	1213	CG1	ILE	1006	35.718	13.341	0.441	1.00	20.16
ATOM	1214	CD1	ILE	1006	35.961	12.446	-0.834	1.00	11.88
ATOM	1215	C	ILE	1006	35.998	17.136	1.377	1.00	22.88
ATOM	1216	O	ILE	1006	37.113	17.730	1.431	1.00	21.25
ATOM	1217	N	CYS	1007	34.854	17.788	1.108	1.00	21.47
ATOM	1219	CA	CYS	1007	34.860	19.240	0.909	1.00	21.66
ATOM	1220	CB	CYS	1007	33.522	19.825	0.431	1.00	24.87
ATOM	1221	SG	CYS	1007	33.760	21.544	-0.085	1.00	30.17
ATOM	1222	C	CYS	1007	35.247	19.953	2.196	1.00	22.22
ATOM	1223	O	CYS	1007	36.024	20.905	2.158	1.00	25.94
ATOM	1224	N	TYR	1008	34.691	19.527	3.331	1.00	20.53
ATOM	1226	CA	TYR	1008	35.030	20.132	4.617	1.00	17.94
ATOM	1227	CB	TYR	1008	34.248	19.493	5.758	1.00	18.61
ATOM	1228	CG	TYR	1008	32.753	19.488	5.626	1.00	17.97
ATOM	1229	CD1	TYR	1008	32.019	18.455	6.175	1.00	16.67
ATOM	1230	CE1	TYR	1008	30.641	18.462	6.158	1.00	22.78
ATOM	1231	CD2	TYR	1008	32.059	20.549	5.031	1.00	22.19
ATOM	1232	CE2	TYR	1008	30.646	20.569	5.011	1.00	20.60
ATOM	1233	CZ	TYR	1008	29.949	19.513	5.579	1.00	23.22
ATOM	1234	OH	TYR	1008	28.574	19.454	5.551	1.00	18.30
ATOM	1236	C	TYR	1008	36.537	19.945	4.883	1.00	18.55
ATOM	1237	O	TYR	1008	37.217	20.917	5.256	1.00	20.35
ATOM	1238	N	SER	1009	37.056	18.726	4.642	1.00	14.74
ATOM	1240	CA	SER	1009	38.476	18.409	4.852	1.00	13.39
ATOM	1241	CB	SER	1009	38.810	16.962	4.473	1.00	17.24
ATOM	1242	OG	SER	1009	38.018	16.001	5.152	1.00	26.04
ATOM	1244	C	SER	1009	39.310	19.309	3.985	1.00	16.36
ATOM	1245	O	SER	1009	40.317	19.864	4.446	1.00	20.21
ATOM	1246	N	PHE	1010	38.953	19.375	2.699	1.00	20.97
ATOM	1248	CA	PHE	1010	39.654	20.246	1.742	1.00	23.34
ATOM	1249	CB	PHE	1010	38.985	20.126	0.365	1.00	18.83
ATOM	1250	CG	PHE	1010	39.605	21.002	-0.685	1.00	17.13
ATOM	1251	CD1	PHE	1010	38.830	21.940	-1.370	1.00	13.94
ATOM	1252	CD2	PHE	1010	40.979	20.918	-0.968	1.00	17.85
ATOM	1253	CE1	PHE	1010	39.410	22.804	-2.339	1.00	16.30
ATOM	1254	CE2	PHE	1010	41.569	21.763	-1.917	1.00	17.15
ATOM	1255	CZ	PHE	1010	40.772	22.714	-2.608	1.00	18.02

FIG. 7(25)

ATOM	1256	C	PHE	1010	39.688	21.746	2.242	1.00	22.02
ATOM	1257	O	PHE	1010	40.749	22.390	2.298	1.00	23.00
ATOM	1258	N	GLN	1011	38.535	22.271	2.643	1.00	19.25
ATOM	1260	CA	GLN	1011	38.418	23.640	3.159	1.00	19.07
ATOM	1261	CB	GLN	1011	36.980	23.945	3.480	1.00	12.84
ATOM	1262	CG	GLN	1011	36.117	24.005	2.270	1.00	6.53
ATOM	1263	CD	GLN	1011	34.713	24.371	2.659	1.00	18.81
ATOM	1264	OE1	GLN	1011	34.490	25.382	3.347	1.00	21.22
ATOM	1265	NE2	GLN	1011	33.760	23.525	2.302	1.00	26.88
ATOM	1268	C	GLN	1011	39.262	23.894	4.394	1.00	18.28
ATOM	1269	O	GLN	1011	39.840	24.982	4.543	1.00	19.80
ATOM	1270	N	VAL	1012	39.270	22.934	5.319	1.00	11.82
ATOM	1272	CA	VAL	1012	40.110	23.063	6.500	1.00	13.54
ATOM	1273	CB	VAL	1012	39.825	21.936	7.528	1.00	15.67
ATOM	1274	CG1	VAL	1012	40.686	22.107	8.795	1.00	10.56
ATOM	1275	CG2	VAL	1012	38.370	21.948	7.901	1.00	14.92
ATOM	1276	C	VAL	1012	41.618	23.068	6.068	1.00	16.72
ATOM	1277	O	VAL	1012	42.448	23.782	6.665	1.00	20.48
ATOM	1278	N	ALA	1013	42.001	22.291	5.051	1.00	15.90
ATOM	1280	CA	ALA	1013	43.401	22.352	4.602	1.00	17.77
ATOM	1281	CB	ALA	1013	43.732	21.206	3.638	1.00	10.59
ATOM	1282	C	ALA	1013	43.685	23.755	3.963	1.00	15.74
ATOM	1283	O	ALA	1013	44.764	24.302	4.139	1.00	17.49
ATOM	1284	N	LYS	1014	42.718	24.342	3.244	1.00	17.18
ATOM	1286	CA	LYS	1014	42.866	25.706	2.665	1.00	15.11
ATOM	1287	CB	LYS	1014	41.557	26.152	2.020	1.00	23.73
ATOM	1288	CG	LYS	1014	41.146	25.474	0.748	1.00	23.57
ATOM	1289	CD	LYS	1014	41.963	26.033	-0.354	1.00	26.38
ATOM	1290	CE	LYS	1014	41.172	25.978	-1.617	1.00	38.71
ATOM	1291	NZ	LYS	1014	42.034	26.404	-2.776	1.00	50.36
ATOM	1295	C	LYS	1014	43.105	26.678	3.823	1.00	11.16
ATOM	1296	O	LYS	1014	44.066	27.452	3.818	1.00	13.85
ATOM	1297	N	GLY	1015	42.210	26.590	4.816	1.00	10.82
ATOM	1299	CA	GLY	1015	42.250	27.403	6.017	1.00	12.48
ATOM	1300	C	GLY	1015	43.584	27.327	6.715	1.00	17.17
ATOM	1301	O	GLY	1015	44.124	28.349	7.130	1.00	19.92
ATOM	1302	N	MET	1016	44.159	26.128	6.763	1.00	17.82
ATOM	1304	CA	MET	1016	45.426	25.927	7.439	1.00	15.78
ATOM	1305	CB	MET	1016	45.516	24.488	7.925	1.00	17.77
ATOM	1306	CG	MET	1016	44.538	24.156	9.057	1.00	15.19
ATOM	1307	SD	MET	1016	44.931	24.991	10.623	1.00	15.49

FIG. 7(26)

ATOM	1308	CE	MET	1016	46.642	24.894	10.658	1.00	5.63
ATOM	1309	C	MET	1016	46.625	26.321	6.618	1.00	14.62
ATOM	1310	O	MET	1016	47.680	26.667	7.163	1.00	15.76
ATOM	1311	N	GLU	1017	46.487	26.208	5.305	1.00	14.65
ATOM	1313	CA	GLU	1017	47.552	26.608	4.384	1.00	21.43
ATOM	1314	CB	GLU	1017	47.177	26.195	2.947	1.00	21.43
ATOM	1315	CG	GLU	1017	48.162	26.622	1.878	1.00	22.82
ATOM	1316	CD	GLU	1017	47.634	26.421	0.436	1.00	27.12
ATOM	1317	OE1	GLU	1017	46.457	26.769	0.141	1.00	24.95
ATOM	1318	OE2	GLU	1017	48.418	25.927	-0.424	1.00	32.93
ATOM	1319	C	GLU	1017	47.667	28.145	4.535	1.00	18.38
ATOM	1320	O	GLU	1017	48.760	28.668	4.593	1.00	17.43
ATOM	1321	N	PHE	1018	46.526	28.839	4.677	1.00	19.09
ATOM	1323	CA	PHE	1018	46.509	30.295	4.894	1.00	20.74
ATOM	1324	CB	PHE	1018	45.067	30.848	4.870	1.00	27.18
ATOM	1325	CG	PHE	1018	44.942	32.338	5.248	1.00	25.91
ATOM	1326	CD1	PHE	1018	44.477	32.718	6.521	1.00	26.19
ATOM	1327	CD2	PHE	1018	45.300	33.345	4.348	1.00	25.16
ATOM	1328	CE1	PHE	1018	44.381	34.059	6.890	1.00	27.10
ATOM	1329	CE2	PHE	1018	45.208	34.708	4.712	1.00	28.34
ATOM	1330	CZ	PHE	1018	44.754	35.064	5.982	1.00	26.60
ATOM	1331	C	PHE	1018	47.179	30.663	6.216	1.00	18.20
ATOM	1332	O	PHE	1018	48.139	31.430	6.228	1.00	15.08
ATOM	1333	N	LEU	1019	46.676	30.122	7.328	1.00	16.94
ATOM	1335	CA	LEU	1019	47.259	30.414	8.654	1.00	19.44
ATOM	1336	CB	LEU	1019	46.673	29.533	9.754	1.00	22.88
ATOM	1337	CG	LEU	1019	45.238	29.773	10.165	1.00	24.41
ATOM	1338	CD1	LEU	1019	44.956	28.916	11.388	1.00	24.01
ATOM	1339	CD2	LEU	1019	45.084	31.277	10.485	1.00	25.61
ATOM	1340	C	LEU	1019	48.736	30.173	8.660	1.00	19.44
ATOM	1341	O	LEU	1019	49.493	30.896	9.316	1.00	18.98
ATOM	1342	N	ALA	1020	49.135	29.076	8.023	1.00	19.45
ATOM	1344	CA	ALA	1020	50.545	28.747	7.961	1.00	22.29
ATOM	1345	CB	ALA	1020	50.748	27.350	7.397	1.00	21.86
ATOM	1346	C	ALA	1020	51.252	29.829	7.115	1.00	26.13
ATOM	1347	O	ALA	1020	52.348	30.257	7.471	1.00	25.25
ATOM	1348	N	SER	1021	50.600	30.323	6.050	1.00	29.72
ATOM	1350	CA	SER	1021	51.194	31.384	5.219	1.00	27.59
ATOM	1351	CB	SER	1021	50.289	31.754	4.026	1.00	23.95

FIG. 7(27)

ATOM	1352	OG	SER	1021	49.252	32.662	4.349	1.00	22.60
ATOM	1354	C	SER	1021	51.469	32.614	6.109	1.00	32.83
ATOM	1355	O	SER	1021	52.570	33.172	6.073	1.00	36.57
ATOM	1356	N	ARG	1022	50.513	32.957	6.981	1.00	31.88
ATOM	1358	CA	ARG	1022	50.645	34.093	7.901	1.00	22.64
ATOM	1359	CB	ARG	1022	49.294	34.483	8.465	1.00	17.89
ATOM	1360	CG	ARG	1022	48.254	34.691	7.420	1.00	17.72
ATOM	1361	CD	ARG	1022	48.648	35.816	6.468	1.00	18.00
ATOM	1362	NE	ARG	1022	49.714	36.666	6.993	1.00	31.94
ATOM	1364	CZ	ARG	1022	49.625	37.980	7.168	1.00	30.72
ATOM	1365	NH1	ARG	1022	50.653	38.644	7.662	1.00	23.85
ATOM	1368	NH2	ARG	1022	48.508	38.620	6.862	1.00	40.00
ATOM	1371	C	ARG	1022	51.563	33.787	9.056	1.00	24.84
ATOM	1372	O	ARG	1022	51.718	34.612	9.960	1.00	23.27
ATOM	1373	N	LYS	1023	52.115	32.576	9.061	1.00	23.84
ATOM	1375	CA	LYS	1023	53.039	32.137	10.094	1.00	23.59
ATOM	1376	CB	LYS	1023	54.237	33.067	10.196	1.00	22.44
ATOM	1377	C	LYS	1023	52.404	31.899	11.456	1.00	25.21
ATOM	1378	O	LYS	1023	53.054	32.024	12.504	1.00	28.54
ATOM	1379	N	CYS	1024	51.164	31.435	11.411	1.00	20.82
ATOM	1381	CA	CYS	1024	50.404	31.114	12.595	1.00	28.12
ATOM	1382	CB	CYS	1024	48.982	31.709	12.472	1.00	30.32
ATOM	1383	SG	CYS	1024	48.936	33.504	12.847	1.00	33.73
ATOM	1384	C	CYS	1024	50.388	29.576	12.729	1.00	32.20
ATOM	1385	O	CYS	1024	50.636	28.882	11.756	1.00	38.70
ATOM	1386	N	ILE	1025	50.167	29.057	13.934	1.00	30.55
ATOM	1388	CA	ILE	1025	50.123	27.619	14.216	1.00	33.60
ATOM	1389	CB	ILE	1025	51.406	27.169	14.970	1.00	36.10
ATOM	1390	CG2	ILE	1025	51.223	25.807	15.619	1.00	38.88
ATOM	1391	CG1	ILE	1025	52.585	27.121	13.988	1.00	38.38
ATOM	1392	CD1	ILE	1025	53.913	27.422	14.604	1.00	34.51
ATOM	1393	C	ILE	1025	48.891	27.526	15.104	1.00	33.66
ATOM	1394	O	ILE	1025	48.751	28.301	16.034	1.00	41.71
ATOM	1395	N	HIS	1026	47.958	26.643	14.797	1.00	31.27
ATOM	1397	CA	HIS	1026	46.742	26.570	15.589	1.00	27.97
ATOM	1398	CB	HIS	1026	45.691	25.745	14.861	1.00	23.43
ATOM	1399	CG	HIS	1026	44.283	26.091	15.229	1.00	30.06
ATOM	1400	CD2	HIS	1026	43.342	26.801	14.560	1.00	33.43
ATOM	1401	ND1	HIS	1026	43.680	25.659	16.393	1.00	24.53

FIG. 7(28)

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ATOM  1403  CE1 HIS  1026      42.428  26.085  16.424  1.00 26.31
ATOM  1404  NE2 HIS  1026      42.199  26.781  15.321  1.00 29.05
ATOM  1406  C   HIS  1026      46.901  26.086  17.036  1.00 30.13
ATOM  1407  O   HIS  1026      46.335  26.681  17.955  1.00 37.96
ATOM  1408  N   ARG  1027      47.662  25.024  17.244  1.00 26.58
ATOM  1410  CA  ARG  1027      47.872  24.429  18.583  1.00 31.87
ATOM  1411  CB  ARG  1027      48.235  25.483  19.666  1.00 20.17
ATOM  1412  C   ARG  1027      46.762  23.449  19.055  1.00 31.55
ATOM  1413  O   ARG  1027      47.047  22.477  19.742  1.00 38.11
ATOM  1414  N   ASP  1028      45.528  23.629  18.597  1.00 30.85
ATOM  1416  CA  ASP  1028      44.466  22.698  18.955  1.00 26.34
ATOM  1417  CB  ASP  1028      43.788  23.098  20.248  1.00 32.60
ATOM  1418  CG  ASP  1028      42.847  22.020  20.755  1.00 35.64
ATOM  1419  OD1 ASP  1028      41.692  22.346  21.096  1.00 36.08
ATOM  1420  OD2 ASP  1028      43.267  20.842  20.790  1.00 40.39
ATOM  1421  C   ASP  1028      43.435  22.565  17.841  1.00 26.23
ATOM  1422  O   ASP  1028      42.276  22.926  17.998  1.00 23.40
ATOM  1423  N   LEU  1029      43.884  22.034  16.708  1.00 24.88
ATOM  1425  CA  LEU  1029      43.053  21.842  15.533  1.00 23.16
ATOM  1426  CB  LEU  1029      43.958  21.772  14.299  1.00 18.78
ATOM  1427  CG  LEU  1029      43.221  21.714  12.965  1.00 20.21
ATOM  1428  CD1 LEU  1029      42.349  22.952  12.812  1.00 15.13
ATOM  1429  CD2 LEU  1029      44.249  21.601  11.827  1.00 22.91
ATOM  1430  C   LEU  1029      42.237  20.562  15.700  1.00 25.25
ATOM  1431  O   LEU  1029      42.765  19.473  15.591  1.00 30.47
ATOM  1432  N   ALA  1030      40.949  20.703  15.957  1.00 25.99
ATOM  1434  CA  ALA  1030      40.062  19.574  16.182  1.00 25.19
ATOM  1435  CB  ALA  1030      39.872  19.387  17.679  1.00 24.55
ATOM  1436  C   ALA  1030      38.761  20.007  15.558  1.00 27.35
ATOM  1437  O   ALA  1030      38.611  21.202  15.302  1.00 33.46
ATOM  1438  N   ALA  1031      37.797  19.094  15.379  1.00 25.19
ATOM  1440  CA  ALA  1031      36.508  19.451  14.752  1.00 22.16
ATOM  1441  CB  ALA  1031      35.772  18.210  14.270  1.00 21.71
ATOM  1442  C   ALA  1031      35.551  20.353  15.536  1.00 20.96
ATOM  1443  O   ALA  1031      34.639  20.950  14.944  1.00 21.36
ATOM  1444  N   ARG  1032      35.712  20.388  16.859  1.00 22.49
ATOM  1446  CA  ARG  1032      34.898  21.246  17.736  1.00 27.01
ATOM  1447  CB  ARG  1032      35.157  20.945  19.220  1.00 25.22
ATOM  1448  CG  ARG  1032      36.534  21.451  19.707  1.00 34.44
ATOM  1449  CD  ARG  1032      37.150  20.503  20.770  1.00 46.39
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FIG. 7(29)

ATOM	1450	NE	ARG	1032	38.554	20.752	21.158	1.00	41.28
ATOM	1452	CZ	ARG	1032	39.464	19.799	21.352	1.00	32.28
ATOM	1453	NH1	ARG	1032	40.677	20.129	21.709	1.00	27.74
ATOM	1456	NH2	ARG	1032	39.178	18.524	21.148	1.00	31.24
ATOM	1459	C	ARG	1032	35.296	22.708	17.482	1.00	25.91
ATOM	1460	O	ARG	1032	34.601	23.605	17.935	1.00	30.23
ATOM	1461	N	ASN	1033	36.451	22.911	16.840	1.00	20.90
ATOM	1463	CA	ASN	1033	37.008	24.222	16.495	1.00	15.77
ATOM	1464	CB	ASN	1033	38.497	24.290	16.813	1.00	18.29
ATOM	1465	CG	ASN	1033	38.760	24.160	18.254	1.00	20.60
ATOM	1466	OD1	ASN	1033	37.891	24.445	19.067	1.00	29.84
ATOM	1467	ND2	ASN	1033	39.929	23.677	18.601	1.00	18.08
ATOM	1470	C	ASN	1033	36.839	24.535	15.019	1.00	19.29
ATOM	1471	O	ASN	1033	37.619	25.303	14.450	1.00	17.18
ATOM	1472	N	ILE	1034	35.934	23.822	14.366	1.00	17.56
ATOM	1474	CA	ILE	1034	35.631	24.092	12.972	1.00	17.92
ATOM	1475	CB	ILE	1034	35.813	22.868	12.091	1.00	15.66
ATOM	1476	CG2	ILE	1034	35.364	23.192	10.647	1.00	12.61
ATOM	1477	CG1	ILE	1034	37.247	22.349	12.221	1.00	10.08
ATOM	1478	CD1	ILE	1034	38.312	23.384	11.994	1.00	18.10
ATOM	1479	C	ILE	1034	34.147	24.381	13.075	1.00	21.87
ATOM	1480	O	ILE	1034	33.410	23.592	13.669	1.00	26.72
ATOM	1481	N	LEU	1035	33.711	25.524	12.575	1.00	21.91
ATOM	1483	CA	LEU	1035	32.311	25.883	12.670	1.00	19.45
ATOM	1484	CB	LEU	1035	32.190	27.310	13.181	1.00	18.73
ATOM	1485	CG	LEU	1035	32.102	27.454	14.691	1.00	21.53
ATOM	1486	CD1	LEU	1035	33.019	26.518	15.456	1.00	8.66
ATOM	1487	CD2	LEU	1035	32.391	28.881	15.016	1.00	19.34
ATOM	1488	C	LEU	1035	31.700	25.764	11.316	1.00	20.15
ATOM	1489	O	LEU	1035	32.377	25.977	10.310	1.00	21.51
ATOM	1490	N	LEU	1036	30.429	25.390	11.275	1.00	24.13
ATOM	1492	CA	LEU	1036	29.745	25.237	10.006	1.00	26.96
ATOM	1493	CB	LEU	1036	29.027	23.882	9.909	1.00	20.57
ATOM	1494	CG	LEU	1036	28.149	23.631	8.681	1.00	17.23
ATOM	1495	CD1	LEU	1036	28.877	23.617	7.360	1.00	7.53
ATOM	1496	CD2	LEU	1036	27.566	22.306	8.900	1.00	18.85
ATOM	1497	C	LEU	1036	28.827	26.432	9.755	1.00	31.45
ATOM	1498	O	LEU	1036	27.953	26.794	10.557	1.00	29.93
ATOM	1499	N	SER	1037	29.094	27.061	8.628	1.00	34.52
ATOM	1501	CA	SER	1037	28.410	28.248	8.215	1.00	37.11

FIG. 7(30)

ATOM	1502	CB	SER	1037	29.448	29.220	7.632	1.00	41.11
ATOM	1503	OG	SER	1037	28.879	30.439	7.193	1.00	44.80
ATOM	1505	C	SER	1037	27.367	27.890	7.209	1.00	39.39
ATOM	1506	O	SER	1037	27.045	26.735	7.024	1.00	42.14
ATOM	1507	N	GLU	1038	26.884	28.912	6.531	1.00	44.94
ATOM	1509	CA	GLU	1038	25.845	28.806	5.534	1.00	50.37
ATOM	1510	CB	GLU	1038	25.685	30.152	4.792	1.00	56.15
ATOM	1511	CG	GLU	1038	25.599	31.391	5.676	1.00	55.19
ATOM	1512	CD	GLU	1038	24.518	31.270	6.708	1.00	59.42
ATOM	1513	OE1	GLU	1038	23.464	30.637	6.419	1.00	58.62
ATOM	1514	OE2	GLU	1038	24.736	31.806	7.816	1.00	63.52
ATOM	1515	C	GLU	1038	25.954	27.672	4.518	1.00	51.35
ATOM	1516	O	GLU	1038	25.619	26.521	4.816	1.00	57.04
ATOM	1517	N	LYS	1039	26.414	27.997	3.317	1.00	46.28
ATOM	1519	CA	LYS	1039	26.467	27.021	2.251	1.00	43.05
ATOM	1520	CB	LYS	1039	26.455	27.729	0.898	1.00	41.05
ATOM	1521	C	LYS	1039	27.689	26.155	2.401	1.00	44.31
ATOM	1522	O	LYS	1039	28.687	26.358	1.697	1.00	50.06
ATOM	1523	N	ASN	1040	27.611	25.210	3.339	1.00	37.02
ATOM	1525	CA	ASN	1040	28.701	24.283	3.630	1.00	32.65
ATOM	1526	CB	ASN	1040	28.647	23.041	2.761	1.00	31.69
ATOM	1527	CG	ASN	1040	27.641	22.061	3.267	1.00	31.29
ATOM	1528	OD1	ASN	1040	26.740	21.693	2.553	1.00	38.80
ATOM	1529	ND2	ASN	1040	27.749	21.680	4.530	1.00	36.05
ATOM	1532	C	ASN	1040	30.096	24.844	3.656	1.00	28.45
ATOM	1533	O	ASN	1040	31.079	24.162	3.300	1.00	26.00
ATOM	1534	N	VAL	1041	30.174	26.101	4.073	1.00	23.77
ATOM	1536	CA	VAL	1041	31.447	26.739	4.207	1.00	16.56
ATOM	1537	CB	VAL	1041	31.382	28.274	3.940	1.00	16.16
ATOM	1538	CG1	VAL	1041	32.709	28.948	4.315	1.00	8.57
ATOM	1539	CG2	VAL	1041	31.124	28.509	2.470	1.00	6.79
ATOM	1540	C	VAL	1041	31.726	26.382	5.646	1.00	15.50
ATOM	1541	O	VAL	1041	30.825	26.333	6.485	1.00	9.73
ATOM	1542	N	VAL	1042	32.967	26.022	5.883	1.00	18.82
ATOM	1544	CA	VAL	1042	33.431	25.607	7.185	1.00	19.76
ATOM	1545	CB	VAL	1042	33.907	24.110	7.051	1.00	22.19
ATOM	1546	CG1	VAL	1042	35.439	23.993	7.041	1.00	18.66
ATOM	1547	CG2	VAL	1042	33.247	23.242	8.100	1.00	22.95
ATOM	1548	C	VAL	1042	34.580	26.607	7.483	1.00	20.50
ATOM	1549	O	VAL	1042	35.348	26.960	6.575	1.00	17.75

FIG. 7(31)

ATOM	1550	N	LYS	1043	34.675	27.082	8.726	1.00	18.30
ATOM	1552	CA	LYS	1043	35.679	28.070	9.103	1.00	17.43
ATOM	1553	CB	LYS	1043	34.977	29.420	9.277	1.00	17.68
ATOM	1554	CG	LYS	1043	34.202	29.845	8.031	1.00	19.19
ATOM	1555	CD	LYS	1043	33.560	31.228	8.186	1.00	26.86
ATOM	1556	CE	LYS	1043	33.270	31.885	6.820	1.00	18.32
ATOM	1557	NZ	LYS	1043	34.353	32.806	6.425	1.00	22.63
ATOM	1561	C	LYS	1043	36.373	27.687	10.399	1.00	18.35
ATOM	1562	O	LYS	1043	35.709	27.235	11.330	1.00	17.37
ATOM	1563	N	ILE	1044	37.692	27.880	10.461	1.00	17.47
ATOM	1565	CA	ILE	1044	38.504	27.558	11.645	1.00	21.49
ATOM	1566	CB	ILE	1044	40.010	27.390	11.267	1.00	20.48
ATOM	1567	CG2	ILE	1044	40.896	27.250	12.502	1.00	15.75
ATOM	1568	CG1	ILE	1044	40.221	26.237	10.300	1.00	14.66
ATOM	1569	CD1	ILE	1044	41.584	26.344	9.669	1.00	12.76
ATOM	1570	C	ILE	1044	38.432	28.735	12.626	1.00	30.73
ATOM	1571	O	ILE	1044	38.370	29.888	12.207	1.00	31.68
ATOM	1572	N	CYS	1045	38.454	28.436	13.918	1.00	38.50
ATOM	1574	CA	CYS	1045	38.437	29.444	14.968	1.00	48.73
ATOM	1575	CB	CYS	1045	37.027	29.586	15.558	1.00	50.35
ATOM	1576	SG	CYS	1045	36.259	28.069	16.173	1.00	59.69
ATOM	1577	C	CYS	1045	39.473	29.041	16.033	1.00	54.63
ATOM	1578	O	CYS	1045	39.981	27.912	15.986	1.00	54.88
ATOM	1579	N	ASP	1046	39.811	29.954	16.956	1.00	64.20
ATOM	1581	CA	ASP	1046	40.816	29.700	18.021	1.00	69.98
ATOM	1582	CB	ASP	1046	40.454	28.407	18.788	1.00	72.94
ATOM	1583	CG	ASP	1046	41.338	28.165	20.009	1.00	75.40
ATOM	1584	OD1	ASP	1046	40.930	28.584	21.110	1.00	77.66
ATOM	1585	OD2	ASP	1046	42.428	27.547	19.878	1.00	75.18
ATOM	1586	C	ASP	1046	42.219	29.580	17.354	1.00	74.21
ATOM	1587	O	ASP	1046	43.183	29.036	17.940	1.00	74.94
ATOM	1588	N	PHE	1047	42.307	30.205	16.171	1.00	75.46
ATOM	1590	CA	PHE	1047	43.462	30.212	15.245	1.00	71.53
ATOM	1591	CB	PHE	1047	42.919	30.267	13.790	1.00	72.10
ATOM	1592	CG	PHE	1047	41.906	31.381	13.526	1.00	71.34
ATOM	1593	CD1	PHE	1047	42.139	32.327	12.526	1.00	74.26
ATOM	1594	CD2	PHE	1047	40.747	31.501	14.284	1.00	69.46
ATOM	1595	CE1	PHE	1047	41.242	33.367	12.293	1.00	70.87
ATOM	1596	CE2	PHE	1047	39.847	32.533	14.066	1.00	67.97
ATOM	1597	CZ	PHE	1047	40.096	33.467	13.068	1.00	71.41

FIG. 7(32)

ATOM	1598	C	PHE	1047	44.681	31.163	15.426	1.00	67.78
ATOM	1599	O	PHE	1047	44.507	32.345	15.797	1.00	63.26
ATOM	1601	CB	ASP	1064	29.579	17.003	25.123	1.00	69.86
ATOM	1602	CG	ASP	1064	30.534	16.464	24.050	1.00	69.93
ATOM	1603	OD1	ASP	1064	31.028	15.321	24.179	1.00	71.35
ATOM	1604	OD2	ASP	1064	30.776	17.189	23.063	1.00	71.45
ATOM	1605	C	ASP	1064	31.511	17.821	26.539	1.00	64.90
ATOM	1606	O	ASP	1064	31.512	19.029	26.788	1.00	64.09
ATOM	1609	N	ASP	1064	29.229	17.550	27.534	1.00	67.30
ATOM	1611	CA	ASP	1064	30.204	17.019	26.533	1.00	67.58
ATOM	1612	N	ALA	1065	32.617	17.135	26.278	1.00	61.87
ATOM	1614	CA	ALA	1065	33.932	17.759	26.244	1.00	58.06
ATOM	1615	CB	ALA	1065	34.479	17.935	27.650	1.00	56.61
ATOM	1616	C	ALA	1065	34.888	16.915	25.397	1.00	57.97
ATOM	1617	O	ALA	1065	34.491	15.906	24.788	1.00	56.86
ATOM	1618	N	ARG	1066	36.155	17.313	25.400	1.00	54.64
ATOM	1620	CA	ARG	1066	37.182	16.664	24.607	1.00	50.99
ATOM	1621	CB	ARG	1066	37.538	17.539	23.393	1.00	49.53
ATOM	1622	CG	ARG	1066	36.459	17.608	22.335	1.00	52.76
ATOM	1623	CD	ARG	1066	36.866	16.805	21.125	1.00	57.63
ATOM	1624	NE	ARG	1066	35.847	16.645	20.093	1.00	57.02
ATOM	1626	CZ	ARG	1066	35.976	17.033	18.824	1.00	55.63
ATOM	1627	NH1	ARG	1066	34.984	16.797	17.995	1.00	57.63
ATOM	1630	NH2	ARG	1066	37.046	17.691	18.385	1.00	40.52
ATOM	1633	C	ARG	1066	38.428	16.513	25.427	1.00	49.01
ATOM	1634	O	ARG	1066	38.652	17.274	26.364	1.00	46.29
ATOM	1635	N	LEU	1067	39.251	15.546	25.041	1.00	46.48
ATOM	1637	CA	LEU	1067	40.510	15.320	25.709	1.00	45.62
ATOM	1638	CB	LEU	1067	40.703	13.840	26.073	1.00	45.53
ATOM	1639	CG	LEU	1067	41.335	13.519	27.441	1.00	44.07
ATOM	1640	CD1	LEU	1067	42.236	12.322	27.273	1.00	37.52
ATOM	1641	CD2	LEU	1067	42.109	14.710	28.057	1.00	39.60
ATOM	1642	C	LEU	1067	41.530	15.778	24.677	1.00	42.00
ATOM	1643	O	LEU	1067	41.983	15.010	23.832	1.00	41.05
ATOM	1644	N	PRO	1068	41.854	17.072	24.698	1.00	41.22
ATOM	1645	CD	PRO	1068	41.265	18.104	25.584	1.00	34.16
ATOM	1646	CA	PRO	1068	42.817	17.661	23.761	1.00	38.41
ATOM	1647	CB	PRO	1068	42.919	19.104	24.277	1.00	36.08
ATOM	1648	CG	PRO	1068	41.496	19.355	24.828	1.00	29.23
ATOM	1649	C	PRO	1068	44.197	16.961	23.571	1.00	35.36

FIG. 7(33)

ATOM	1650	O	PRO	1068	44.932	17.258	22.623	1.00	37.80
ATOM	1651	N	LEU	1069	44.552	16.040	24.455	1.00	33.98
ATOM	1653	CA	LEU	1069	45.829	15.337	24.333	1.00	35.06
ATOM	1654	CB	LEU	1069	46.092	14.517	25.601	1.00	37.80
ATOM	1655	CG	LEU	1069	47.228	13.497	25.488	1.00	40.67
ATOM	1656	CD1	LEU	1069	48.599	14.156	25.752	1.00	36.35
ATOM	1657	CD2	LEU	1069	46.939	12.333	26.445	1.00	40.75
ATOM	1658	C	LEU	1069	45.776	14.397	23.121	1.00	34.16
ATOM	1659	O	LEU	1069	46.787	14.115	22.461	1.00	32.14
ATOM	1660	N	LYS	1070	44.571	13.916	22.859	1.00	28.95
ATOM	1662	CA	LYS	1070	44.280	13.014	21.765	1.00	28.17
ATOM	1663	CB	LYS	1070	42.828	12.569	21.911	1.00	22.17
ATOM	1664	CG	LYS	1070	42.553	11.730	23.144	1.00	22.02
ATOM	1665	CD	LYS	1070	41.085	11.317	23.107	1.00	24.17
ATOM	1666	CE	LYS	1070	40.851	9.908	23.646	1.00	29.35
ATOM	1667	NZ	LYS	1070	39.444	9.436	23.439	1.00	35.82
ATOM	1671	C	LYS	1070	44.518	13.582	20.340	1.00	29.26
ATOM	1672	O	LYS	1070	44.368	12.867	19.344	1.00	27.81
ATOM	1673	N	TRP	1071	44.862	14.865	20.260	1.00	27.00
ATOM	1675	CA	TRP	1071	45.086	15.550	18.995	1.00	27.37
ATOM	1676	CB	TRP	1071	44.191	16.827	18.882	1.00	20.67
ATOM	1677	CG	TRP	1071	42.724	16.551	18.545	1.00	20.12
ATOM	1678	CD2	TRP	1071	41.685	16.138	19.451	1.00	17.97
ATOM	1679	CE2	TRP	1071	40.524	15.892	18.675	1.00	13.02
ATOM	1680	CE3	TRP	1071	41.628	15.944	20.838	1.00	23.76
ATOM	1681	CD1	TRP	1071	42.153	16.560	17.304	1.00	19.50
ATOM	1682	NE1	TRP	1071	40.834	16.155	17.373	1.00	13.62
ATOM	1684	CZ2	TRP	1071	39.342	15.465	19.233	1.00	16.22
ATOM	1685	CZ3	TRP	1071	40.439	15.511	21.396	1.00	20.67
ATOM	1686	CH2	TRP	1071	39.321	15.273	20.594	1.00	19.47
ATOM	1687	C	TRP	1071	46.523	15.961	18.889	1.00	26.26
ATOM	1688	O	TRP	1071	46.948	16.465	17.842	1.00	28.70
ATOM	1689	N	MET	1072	47.278	15.713	19.959	1.00	24.85
ATOM	1691	CA	MET	1072	48.676	16.119	20.034	1.00	22.67
ATOM	1692	CB	MET	1072	49.066	16.317	21.487	1.00	31.30
ATOM	1693	CG	MET	1072	48.328	17.416	22.229	1.00	34.64
ATOM	1694	SD	MET	1072	48.977	17.610	23.948	1.00	35.65
ATOM	1695	CE	MET	1072	50.667	17.842	23.669	1.00	27.97
ATOM	1696	C	MET	1072	49.697	15.215	19.388	1.00	25.43
ATOM	1697	O	MET	1072	49.798	14.029	19.729	1.00	21.51

FIG. 7(34)

ATOM	1698	N	ALA	1073	50.545	15.800	18.547	1.00	25.55
ATOM	1700	CA	ALA	1073	51.571	15.024	17.874	1.00	29.80
ATOM	1701	CB	ALA	1073	52.369	15.912	16.958	1.00	22.65
ATOM	1702	C	ALA	1073	52.448	14.453	18.989	1.00	34.88
ATOM	1703	O	ALA	1073	52.431	14.970	20.115	1.00	39.38
ATOM	1704	N	PRO	1074	53.183	13.355	18.724	1.00	36.01
ATOM	1705	CD	PRO	1074	53.087	12.450	17.570	1.00	31.55
ATOM	1706	CA	PRO	1074	54.040	12.771	19.769	1.00	36.24
ATOM	1707	CB	PRO	1074	54.544	11.485	19.115	1.00	34.34
ATOM	1708	CG	PRO	1074	53.415	11.137	18.193	1.00	31.88
ATOM	1709	C	PRO	1074	55.189	13.670	20.288	1.00	37.13
ATOM	1710	O	PRO	1074	55.570	13.575	21.447	1.00	34.58
ATOM	1711	N	GLU	1075	55.746	14.533	19.440	1.00	37.40
ATOM	1713	CA	GLU	1075	56.813	15.422	19.884	1.00	40.62
ATOM	1714	CB	GLU	1075	57.598	15.990	18.707	1.00	33.55
ATOM	1715	CG	GLU	1075	56.853	16.957	17.844	1.00	39.40
ATOM	1716	CD	GLU	1075	55.952	16.300	16.828	1.00	43.14
ATOM	1717	OE1	GLU	1075	55.965	15.055	16.720	1.00	49.09
ATOM	1718	OE2	GLU	1075	55.228	17.040	16.124	1.00	44.63
ATOM	1719	C	GLU	1075	56.239	16.546	20.757	1.00	42.73
ATOM	1720	O	GLU	1075	56.903	17.061	21.639	1.00	44.76
ATOM	1721	N	THR	1076	54.982	16.888	20.524	1.00	46.13
ATOM	1723	CA	THR	1076	54.304	17.923	21.283	1.00	46.22
ATOM	1724	CB	THR	1076	52.991	18.319	20.605	1.00	43.95
ATOM	1725	OG1	THR	1076	53.245	18.666	19.230	1.00	46.46
ATOM	1727	CG2	THR	1076	52.361	19.481	21.334	1.00	43.93
ATOM	1728	C	THR	1076	53.991	17.378	22.662	1.00	47.62
ATOM	1729	O	THR	1076	54.175	18.057	23.650	1.00	52.45
ATOM	1730	N	ILE	1077	53.442	16.173	22.717	1.00	47.96
ATOM	1732	CA	ILE	1077	53.123	15.528	23.980	1.00	46.99
ATOM	1733	CB	ILE	1077	52.496	14.151	23.720	1.00	46.43
ATOM	1734	CG2	ILE	1077	52.691	13.232	24.895	1.00	46.16
ATOM	1735	CG1	ILE	1077	51.024	14.306	23.384	1.00	44.29
ATOM	1736	CD1	ILE	1077	50.336	13.010	23.163	1.00	46.43
ATOM	1737	C	ILE	1077	54.418	15.345	24.767	1.00	51.37
ATOM	1738	O	ILE	1077	54.473	15.577	25.974	1.00	52.53
ATOM	1739	N	PHE	1078	55.458	14.931	24.058	1.00	53.41
ATOM	1741	CA	PHE	1078	56.750	14.696	24.672	1.00	58.94
ATOM	1742	CB	PHE	1078	57.506	13.570	23.925	1.00	60.74
ATOM	1743	CG	PHE	1078	56.901	12.184	24.124	1.00	57.84

FIG. 7(35)

ATOM	1744	CD1	PHE	1078	56.068	11.612	23.169	1.00	54.09
ATOM	1745	CD2	PHE	1078	57.127	11.483	25.298	1.00	58.64
ATOM	1746	CE1	PHE	1078	55.478	10.380	23.381	1.00	53.82
ATOM	1747	CE2	PHE	1078	56.539	10.254	25.514	1.00	57.20
ATOM	1748	CZ	PHE	1078	55.711	9.703	24.555	1.00	55.07
ATOM	1749	C	PHE	1078	57.574	15.981	24.767	1.00	63.98
ATOM	1750	O	PHE	1078	57.433	16.738	25.736	1.00	67.06
ATOM	1751	N	ASP	1079	58.356	16.274	23.724	1.00	66.97
ATOM	1753	CA	ASP	1079	59.215	17.472	23.678	1.00	68.09
ATOM	1754	CB	ASP	1079	60.225	17.402	22.501	1.00	66.89
ATOM	1755	CG	ASP	1079	60.174	16.082	21.714	1.00	69.02
ATOM	1756	OD1	ASP	1079	60.254	16.156	20.474	1.00	71.23
ATOM	1757	OD2	ASP	1079	60.089	14.980	22.308	1.00	69.71
ATOM	1758	C	ASP	1079	58.434	18.806	23.599	1.00	67.74
ATOM	1759	O	ASP	1079	59.011	19.848	23.266	1.00	66.85
ATOM	1760	N	ARG	1080	57.137	18.747	23.926	1.00	68.20
ATOM	1762	CA	ARG	1080	56.173	19.858	23.898	1.00	66.60
ATOM	1763	CB	ARG	1080	55.997	20.496	25.279	1.00	67.64
ATOM	1764	CG	ARG	1080	54.529	20.758	25.638	1.00	71.26
ATOM	1765	CD	ARG	1080	53.823	19.481	26.096	1.00	73.66
ATOM	1766	NE	ARG	1080	52.364	19.610	26.226	1.00	75.75
ATOM	1768	CZ	ARG	1080	51.642	18.981	27.157	1.00	74.86
ATOM	1769	NH1	ARG	1080	50.321	19.134	27.211	1.00	69.96
ATOM	1772	NH2	ARG	1080	52.247	18.212	28.060	1.00	72.78
ATOM	1775	C	ARG	1080	56.305	20.920	22.801	1.00	63.93
ATOM	1776	O	ARG	1080	55.861	22.069	22.955	1.00	61.93
ATOM	1777	N	VAL	1081	56.863	20.510	21.667	1.00	61.30
ATOM	1779	CA	VAL	1081	57.034	21.413	20.545	1.00	58.53
ATOM	1780	CB	VAL	1081	58.202	20.951	19.584	1.00	60.54
ATOM	1781	CG1	VAL	1081	59.304	20.266	20.370	1.00	62.35
ATOM	1782	CG2	VAL	1081	57.701	20.043	18.455	1.00	55.04
ATOM	1783	C	VAL	1081	55.713	21.481	19.771	1.00	56.90
ATOM	1784	O	VAL	1081	55.052	20.452	19.560	1.00	57.43
ATOM	1785	N	TYR	1082	55.287	22.699	19.435	1.00	51.51
ATOM	1787	CA	TYR	1082	54.078	22.909	18.641	1.00	41.08
ATOM	1788	CB	TYR	1082	53.092	23.847	19.332	1.00	37.59
ATOM	1789	CG	TYR	1082	52.275	23.238	20.442	1.00	32.41
ATOM	1790	CD1	TYR	1082	52.800	23.135	21.721	1.00	38.13
ATOM	1791	CE1	TYR	1082	52.043	22.663	22.781	1.00	38.73
ATOM	1792	CD2	TYR	1082	50.961	22.843	20.234	1.00	27.91

FIG. 7(36)

ATOM	1793	CE2	TYR	1082	50.189	22.374	21.287	1.00	33.59
ATOM	1794	CZ	TYR	1082	50.739	22.290	22.572	1.00	36.82
ATOM	1795	OH	TYR	1082	50.001	21.874	23.679	1.00	39.60
ATOM	1797	C	TYR	1082	54.591	23.598	17.410	1.00	34.81
ATOM	1798	O	TYR	1082	55.240	24.608	17.545	1.00	33.62
ATOM	1799	N	THR	1083	54.394	22.997	16.236	1.00	34.71
ATOM	1801	CA	THR	1083	54.819	23.573	14.946	1.00	30.90
ATOM	1802	CB	THR	1083	56.106	22.894	14.384	1.00	29.46
ATOM	1803	OG1	THR	1083	55.789	21.598	13.837	1.00	30.18
ATOM	1805	CG2	THR	1083	57.159	22.768	15.486	1.00	21.74
ATOM	1806	C	THR	1083	53.678	23.371	13.946	1.00	27.79
ATOM	1807	O	THR	1083	52.651	22.777	14.293	1.00	28.80
ATOM	1808	N	ILE	1084	53.804	23.869	12.721	1.00	24.37
ATOM	1810	CA	ILE	1084	52.700	23.615	11.797	1.00	27.69
ATOM	1811	CB	ILE	1084	52.739	24.381	10.465	1.00	28.65
ATOM	1812	CG2	ILE	1084	51.450	25.166	10.284	1.00	29.19
ATOM	1813	CG1	ILE	1084	53.977	25.259	10.361	1.00	37.75
ATOM	1814	CD1	ILE	1084	55.235	24.517	9.985	1.00	46.61
ATOM	1815	C	ILE	1084	52.689	22.143	11.459	1.00	26.44
ATOM	1816	O	ILE	1084	51.627	21.589	11.173	1.00	24.29
ATOM	1817	N	GLN	1085	53.861	21.507	11.518	1.00	25.11
ATOM	1819	CA	GLN	1085	53.920	20.097	11.188	1.00	24.39
ATOM	1820	CB	GLN	1085	55.315	19.612	10.823	1.00	27.61
ATOM	1821	CG	GLN	1085	55.753	20.012	9.411	1.00	33.25
ATOM	1822	CD	GLN	1085	54.653	19.826	8.347	1.00	34.07
ATOM	1823	OE1	GLN	1085	53.943	20.779	8.004	1.00	41.60
ATOM	1824	NE2	GLN	1085	54.546	18.632	7.797	1.00	28.88
ATOM	1827	C	GLN	1085	53.296	19.267	12.258	1.00	23.23
ATOM	1828	O	GLN	1085	52.900	18.141	11.981	1.00	25.97
ATOM	1829	N	SER	1086	53.195	19.798	13.480	1.00	20.86
ATOM	1831	CA	SER	1086	52.488	19.040	14.507	1.00	18.08
ATOM	1832	CB	SER	1086	53.044	19.256	15.926	1.00	20.91
ATOM	1833	OG	SER	1086	52.870	20.559	16.440	1.00	21.60
ATOM	1835	C	SER	1086	50.962	19.336	14.353	1.00	20.67
ATOM	1836	O	SER	1086	50.138	18.531	14.806	1.00	13.79
ATOM	1837	N	ASP	1087	50.602	20.415	13.609	1.00	18.68
ATOM	1839	CA	ASP	1087	49.190	20.793	13.324	1.00	11.08
ATOM	1840	CB	ASP	1087	49.038	22.249	12.805	1.00	21.08
ATOM	1841	CG	ASP	1087	48.845	23.287	13.920	1.00	23.79
ATOM	1842	OD1	ASP	1087	49.348	24.407	13.745	1.00	31.01

FIG. 7(37)

ATOM	1843	OD2	ASP	1087	48.212	23.013	14.967	1.00	28.91
ATOM	1844	C	ASP	1087	48.632	19.860	12.261	1.00	11.16
ATOM	1845	O	ASP	1087	47.406	19.640	12.177	1.00	12.65
ATOM	1846	N	VAL	1088	49.520	19.390	11.390	1.00	9.61
ATOM	1848	CA	VAL	1088	49.181	18.404	10.345	1.00	13.37
ATOM	1849	CB	VAL	1088	50.351	18.195	9.389	1.00	15.40
ATOM	1850	CG1	VAL	1088	50.057	17.067	8.486	1.00	14.68
ATOM	1851	CG2	VAL	1088	50.609	19.477	8.587	1.00	10.67
ATOM	1852	C	VAL	1088	48.839	17.061	11.014	1.00	13.67
ATOM	1853	O	VAL	1088	47.897	16.387	10.618	1.00	15.00
ATOM	1854	N	TRP	1089	49.618	16.668	12.015	1.00	12.30
ATOM	1856	CA	TRP	1089	49.301	15.460	12.748	1.00	12.96
ATOM	1857	CB	TRP	1089	50.236	15.279	13.960	1.00	16.98
ATOM	1858	CG	TRP	1089	49.764	14.195	14.887	1.00	18.14
ATOM	1859	CD2	TRP	1089	50.325	12.884	15.031	1.00	18.48
ATOM	1860	CE2	TRP	1089	49.476	12.162	15.893	1.00	20.05
ATOM	1861	CE3	TRP	1089	51.460	12.245	14.503	1.00	22.61
ATOM	1862	CD1	TRP	1089	48.640	14.215	15.657	1.00	18.89
ATOM	1863	NE1	TRP	1089	48.451	12.995	16.255	1.00	19.54
ATOM	1865	CZ2	TRP	1089	49.725	10.839	16.249	1.00	20.08
ATOM	1866	CZ3	TRP	1089	51.709	10.927	14.855	1.00	17.00
ATOM	1867	CH2	TRP	1089	50.846	10.243	15.722	1.00	23.71
ATOM	1868	C	TRP	1089	47.873	15.711	13.207	1.00	14.68
ATOM	1869	O	TRP	1089	46.987	14.958	12.842	1.00	20.33
ATOM	1870	N	SER	1090	47.636	16.823	13.923	1.00	18.59
ATOM	1872	CA	SER	1090	46.287	17.209	14.413	1.00	15.54
ATOM	1873	CB	SER	1090	46.297	18.603	15.043	1.00	12.20
ATOM	1874	OG	SER	1090	47.066	18.621	16.237	1.00	18.86
ATOM	1876	C	SER	1090	45.256	17.190	13.309	1.00	16.50
ATOM	1877	O	SER	1090	44.128	16.691	13.487	1.00	18.14
ATOM	1878	N	PHE	1091	45.635	17.745	12.158	1.00	23.35
ATOM	1880	CA	PHE	1091	44.746	17.776	10.997	1.00	20.78
ATOM	1881	CB	PHE	1091	45.445	18.399	9.786	1.00	17.07
ATOM	1882	CG	PHE	1091	44.533	18.524	8.598	1.00	21.98
ATOM	1883	CD1	PHE	1091	43.396	19.347	8.666	1.00	17.34
ATOM	1884	CD2	PHE	1091	44.740	17.754	7.460	1.00	19.42
ATOM	1885	CE1	PHE	1091	42.485	19.398	7.641	1.00	15.43
ATOM	1886	CE2	PHE	1091	43.829	17.792	6.421	1.00	18.06
ATOM	1887	CZ	PHE	1091	42.693	18.618	6.509	1.00	19.76
ATOM	1888	C	PHE	1091	44.306	16.332	10.667	1.00	17.25

FIG. 7(38)

ATOM	1889	O	PHE	1091	43.147	16.077	10.334	1.00	15.79
ATOM	1890	N	GLY	1092	45.258	15.408	10.812	1.00	19.49
ATOM	1892	CA	GLY	1092	45.042	13.988	10.577	1.00	18.11
ATOM	1893	C	GLY	1092	44.029	13.429	11.544	1.00	19.35
ATOM	1894	O	GLY	1092	43.235	12.581	11.137	1.00	24.23
ATOM	1895	N	VAL	1093	44.073	13.836	12.819	1.00	18.53
ATOM	1897	CA	VAL	1093	43.055	13.392	13.788	1.00	20.09
ATOM	1898	CB	VAL	1093	43.389	13.752	15.298	1.00	15.18
ATOM	1899	CG1	VAL	1093	42.421	13.051	16.187	1.00	17.08
ATOM	1900	CG2	VAL	1093	44.778	13.310	15.698	1.00	11.27
ATOM	1901	C	VAL	1093	41.661	13.971	13.376	1.00	22.42
ATOM	1902	O	VAL	1093	40.649	13.253	13.396	1.00	26.19
ATOM	1903	N	LEU	1094	41.618	15.235	12.938	1.00	23.95
ATOM	1905	CA	LEU	1094	40.363	15.893	12.484	1.00	19.63
ATOM	1906	CB	LEU	1094	40.667	17.338	12.050	1.00	25.24
ATOM	1907	CG	LEU	1094	39.587	18.420	11.974	1.00	27.30
ATOM	1908	CD1	LEU	1094	40.136	19.497	11.113	1.00	28.26
ATOM	1909	CD2	LEU	1094	38.265	17.929	11.385	1.00	27.54
ATOM	1910	C	LEU	1094	39.775	15.146	11.280	1.00	16.12
ATOM	1911	O	LEU	1094	38.555	15.002	11.129	1.00	16.14
ATOM	1912	N	LEU	1095	40.631	14.766	10.348	1.00	16.30
ATOM	1914	CA	LEU	1095	40.155	14.003	9.195	1.00	17.98
ATOM	1915	CB	LEU	1095	41.321	13.538	8.317	1.00	16.52
ATOM	1916	CG	LEU	1095	41.981	14.536	7.386	1.00	14.88
ATOM	1917	CD1	LEU	1095	42.807	13.734	6.399	1.00	11.81
ATOM	1918	CD2	LEU	1095	40.931	15.401	6.639	1.00	21.08
ATOM	1919	C	LEU	1095	39.437	12.770	9.722	1.00	17.52
ATOM	1920	O	LEU	1095	38.324	12.448	9.270	1.00	16.23
ATOM	1921	N	TRP	1096	40.077	12.105	10.697	1.00	14.50
ATOM	1923	CA	TRP	1096	39.509	10.916	11.304	1.00	14.02
ATOM	1924	CB	TRP	1096	40.452	10.330	12.337	1.00	13.21
ATOM	1925	CG	TRP	1096	40.010	8.992	12.850	1.00	18.93
ATOM	1926	CD2	TRP	1096	39.016	8.732	13.856	1.00	24.77
ATOM	1927	CE2	TRP	1096	38.952	7.319	14.020	1.00	27.07
ATOM	1928	CE3	TRP	1096	38.178	9.546	14.647	1.00	29.39
ATOM	1929	CD1	TRP	1096	40.483	7.781	12.460	1.00	21.28
ATOM	1930	NE1	TRP	1096	39.854	6.770	13.154	1.00	18.61
ATOM	1932	CZ2	TRP	1096	38.075	6.700	14.954	1.00	28.21
ATOM	1933	CZ3	TRP	1096	37.303	8.927	15.581	1.00	29.42
ATOM	1934	CH2	TRP	1096	37.266	7.511	15.719	1.00	27.60

FIG. 7(39)

ATOM	1935	C	TRP	1096	38.159	11.236	11.927	1.00	18.94
ATOM	1936	O	TRP	1096	37.212	10.439	11.826	1.00	22.31
ATOM	1937	N	GLU	1097	38.046	12.385	12.592	1.00	23.97
ATOM	1939	CA	GLU	1097	36.754	12.750	13.195	1.00	21.61
ATOM	1940	CB	GLU	1097	36.823	14.012	14.041	1.00	26.60
ATOM	1941	CG	GLU	1097	37.880	14.065	15.109	1.00	21.55
ATOM	1942	CD	GLU	1097	37.795	15.380	15.800	1.00	23.56
ATOM	1943	OE1	GLU	1097	36.726	15.591	16.393	1.00	21.97
ATOM	1944	OE2	GLU	1097	38.741	16.208	15.706	1.00	20.79
ATOM	1945	C	GLU	1097	35.744	13.010	12.116	1.00	19.15
ATOM	1946	O	GLU	1097	34.549	12.766	12.304	1.00	28.35
ATOM	1947	N	ILE	1098	36.190	13.565	11.001	1.00	17.99
ATOM	1949	CA	ILE	1098	35.244	13.821	9.915	1.00	17.98
ATOM	1950	CB	ILE	1098	35.862	14.650	8.732	1.00	13.59
ATOM	1951	CG2	ILE	1098	34.880	14.725	7.568	1.00	13.47
ATOM	1952	CG1	ILE	1098	36.169	16.074	9.181	1.00	11.46
ATOM	1953	CD1	ILE	1098	36.691	16.960	8.074	1.00	9.72
ATOM	1954	C	ILE	1098	34.645	12.529	9.372	1.00	16.07
ATOM	1955	O	ILE	1098	33.444	12.445	9.171	1.00	18.22
ATOM	1956	N	PHE	1099	35.460	11.499	9.171	1.00	20.11
ATOM	1958	CA	PHE	1099	34.925	10.257	8.601	1.00	18.95
ATOM	1959	CB	PHE	1099	35.909	9.660	7.625	1.00	16.86
ATOM	1960	CG	PHE	1099	36.269	10.584	6.517	1.00	12.61
ATOM	1961	CD1	PHE	1099	37.308	11.468	6.671	1.00	14.37
ATOM	1962	CD2	PHE	1099	35.522	10.624	5.362	1.00	18.03
ATOM	1963	CE1	PHE	1099	37.595	12.369	5.717	1.00	13.66
ATOM	1964	CE2	PHE	1099	35.811	11.553	4.378	1.00	16.05
ATOM	1965	CZ	PHE	1099	36.843	12.418	4.568	1.00	17.86
ATOM	1966	C	PHE	1099	34.368	9.201	9.551	1.00	23.18
ATOM	1967	O	PHE	1099	34.111	8.070	9.149	1.00	22.90
ATOM	1968	N	SER	1100	34.274	9.553	10.825	1.00	26.68
ATOM	1970	CA	SER	1100	33.652	8.690	11.820	1.00	24.51
ATOM	1971	CB	SER	1100	34.504	8.572	13.079	1.00	25.60
ATOM	1972	OG	SER	1100	34.826	9.842	13.625	1.00	29.76
ATOM	1974	C	SER	1100	32.398	9.465	12.145	1.00	26.92
ATOM	1975	O	SER	1100	31.765	9.211	13.157	1.00	31.32
ATOM	1976	N	LEU	1101	32.018	10.387	11.251	1.00	28.15
ATOM	1978	CA	LEU	1101	30.860	11.241	11.453	1.00	24.97
ATOM	1979	CB	LEU	1101	29.556	10.557	11.015	1.00	22.00
ATOM	1980	CG	LEU	1101	29.423	10.410	9.495	1.00	25.66

FIG. 7(40)

ATOM	1981	CD1	LEU	1101	28.060	9.866	9.127	1.00	22.23
ATOM	1982	CD2	LEU	1101	29.632	11.768	8.829	1.00	32.30
ATOM	1983	C	LEU	1101	30.771	11.779	12.888	1.00	26.64
ATOM	1984	O	LEU	1101	29.793	11.552	13.580	1.00	31.34
ATOM	1985	N	GLY	1102	31.828	12.446	13.336	1.00	24.93
ATOM	1987	CA	GLY	1102	31.836	13.057	14.650	1.00	28.61
ATOM	1988	C	GLY	1102	32.129	12.293	15.917	1.00	32.38
ATOM	1989	O	GLY	1102	31.647	12.693	16.950	1.00	35.69
ATOM	1990	N	ALA	1103	33.004	11.291	15.876	1.00	35.95
ATOM	1992	CA	ALA	1103	33.354	10.500	17.060	1.00	31.27
ATOM	1993	CB	ALA	1103	33.515	9.041	16.672	1.00	36.15
ATOM	1994	C	ALA	1103	34.625	10.972	17.747	1.00	34.29
ATOM	1995	O	ALA	1103	35.382	11.788	17.190	1.00	36.92
ATOM	1996	N	SER	1104	34.886	10.417	18.934	1.00	33.11
ATOM	1998	CA	SER	1104	36.087	10.744	19.715	1.00	35.13
ATOM	1999	CB	SER	1104	35.906	10.422	21.207	1.00	38.40
ATOM	2000	OG	SER	1104	34.719	10.964	21.765	1.00	50.36
ATOM	2002	C	SER	1104	37.216	9.852	19.249	1.00	34.54
ATOM	2003	O	SER	1104	37.039	8.640	19.167	1.00	33.44
ATOM	2004	N	PRO	1105	38.395	10.434	18.963	1.00	32.93
ATOM	2005	CD	PRO	1105	38.678	11.877	18.972	1.00	31.54
ATOM	2006	CA	PRO	1105	39.571	9.693	18.513	1.00	29.88
ATOM	2007	CB	PRO	1105	40.633	10.781	18.465	1.00	22.24
ATOM	2008	CG	PRO	1105	39.883	11.965	18.079	1.00	28.04
ATOM	2009	C	PRO	1105	39.919	8.659	19.582	1.00	32.54
ATOM	2010	O	PRO	1105	39.480	8.795	20.731	1.00	28.79
ATOM	2011	N	TYR	1106	40.700	7.648	19.196	1.00	34.52
ATOM	2013	CA	TYR	1106	41.148	6.564	20.085	1.00	39.62
ATOM	2014	CB	TYR	1106	42.374	6.994	20.896	1.00	37.66
ATOM	2015	CG	TYR	1106	43.496	7.566	20.059	1.00	39.50
ATOM	2016	CD1	TYR	1106	43.690	8.957	19.976	1.00	37.50
ATOM	2017	CE1	TYR	1106	44.655	9.518	19.143	1.00	35.61
ATOM	2018	CD2	TYR	1106	44.315	6.739	19.293	1.00	34.54
ATOM	2019	CE2	TYR	1106	45.305	7.290	18.446	1.00	38.80
ATOM	2020	CZ	TYR	1106	45.466	8.686	18.373	1.00	38.23
ATOM	2021	OH	TYR	1106	46.412	9.240	17.520	1.00	31.37
ATOM	2023	C	TYR	1106	40.022	6.128	21.016	1.00	47.24
ATOM	2024	O	TYR	1106	40.100	6.296	22.247	1.00	46.94
ATOM	2025	N	PRO	1107	38.947	5.570	20.431	1.00	52.30
ATOM	2026	CD	PRO	1107	38.880	5.234	18.996	1.00	52.76

FIG. 7(41)

ATOM	2027	CA	PRO	1107	37.750	5.088	21.125	1.00	55.67
ATOM	2028	CB	PRO	1107	37.078	4.223	20.066	1.00	55.09
ATOM	2029	CG	PRO	1107	37.420	4.931	18.797	1.00	52.62
ATOM	2030	C	PRO	1107	38.035	4.300	22.408	1.00	60.55
ATOM	2031	O	PRO	1107	38.668	3.231	22.377	1.00	60.88
ATOM	2032	N	GLY	1108	37.631	4.894	23.533	1.00	62.85
ATOM	2034	CA	GLY	1108	37.790	4.284	24.845	1.00	63.10
ATOM	2035	C	GLY	1108	39.171	3.783	25.228	1.00	61.44
ATOM	2036	O	GLY	1108	39.319	3.010	26.178	1.00	63.49
ATOM	2037	N	VAL	1109	40.181	4.228	24.498	1.00	58.31
ATOM	2039	CA	VAL	1109	41.548	3.835	24.766	1.00	55.54
ATOM	2040	CB	VAL	1109	42.430	4.181	23.580	1.00	54.11
ATOM	2041	CG1	VAL	1109	43.857	3.787	23.857	1.00	51.33
ATOM	2042	CG2	VAL	1109	41.875	3.528	22.306	1.00	54.09
ATOM	2043	C	VAL	1109	42.006	4.657	25.949	1.00	57.04
ATOM	2044	O	VAL	1109	41.492	5.749	26.163	1.00	57.18
ATOM	2045	N	LYS	1110	42.969	4.140	26.711	1.00	59.43
ATOM	2047	CA	LYS	1110	43.497	4.849	27.880	1.00	60.27
ATOM	2048	CB	LYS	1110	43.928	3.842	28.936	1.00	63.70
ATOM	2049	C	LYS	1110	44.664	5.796	27.538	1.00	60.52
ATOM	2050	O	LYS	1110	45.570	5.410	26.780	1.00	61.06
ATOM	2051	N	ILE	1111	44.665	7.006	28.115	1.00	58.79
ATOM	2053	CA	ILE	1111	45.732	7.987	27.859	1.00	60.01
ATOM	2054	CB	ILE	1111	45.236	9.441	27.886	1.00	63.41
ATOM	2055	CG2	ILE	1111	44.517	9.798	26.596	1.00	58.31
ATOM	2056	CG1	ILE	1111	44.413	9.688	29.145	1.00	69.87
ATOM	2057	CD1	ILE	1111	44.341	11.144	29.528	1.00	75.64
ATOM	2058	C	ILE	1111	46.949	7.891	28.781	1.00	58.91
ATOM	2059	O	ILE	1111	47.670	8.862	28.992	1.00	59.56
ATOM	2060	N	ASP	1112	47.187	6.697	29.299	1.00	60.43
ATOM	2062	CA	ASP	1112	48.312	6.407	30.173	1.00	56.25
ATOM	2063	CB	ASP	1112	48.318	4.919	30.421	1.00	59.88
ATOM	2064	CG	ASP	1112	48.273	4.131	29.122	1.00	67.87
ATOM	2065	OD1	ASP	1112	47.179	3.893	28.564	1.00	71.34
ATOM	2066	OD2	ASP	1112	49.348	3.765	28.628	1.00	72.11
ATOM	2067	C	ASP	1112	49.612	6.795	29.489	1.00	54.37
ATOM	2068	O	ASP	1112	49.634	7.066	28.284	1.00	50.67
ATOM	2069	N	GLU	1113	50.710	6.741	30.236	1.00	55.36
ATOM	2071	CA	GLU	1113	52.024	7.089	29.683	1.00	55.99
ATOM	2072	CB	GLU	1113	53.051	7.374	30.806	1.00	58.69

FIG. 7(42)

ATOM	2073	C	GLU	1113	52.552	6.015	28.726	1.00	54.42
ATOM	2074	O	GLU	1113	53.624	6.175	28.126	1.00	51.91
ATOM	2075	N	GLU	1114	51.822	4.903	28.627	1.00	51.54
ATOM	2077	CA	GLU	1114	52.192	3.819	27.719	1.00	54.36
ATOM	2078	CB	GLU	1114	51.873	2.452	28.322	1.00	56.43
ATOM	2079	CG	GLU	1114	53.072	1.749	28.948	1.00	63.29
ATOM	2080	CD	GLU	1114	53.996	2.661	29.772	1.00	67.36
ATOM	2081	OE1	GLU	1114	55.153	2.870	29.329	1.00	67.34
ATOM	2082	OE2	GLU	1114	53.590	3.127	30.873	1.00	68.20
ATOM	2083	C	GLU	1114	51.440	4.031	26.412	1.00	52.22
ATOM	2084	O	GLU	1114	51.830	3.514	25.360	1.00	51.74
ATOM	2085	N	PHE	1115	50.383	4.840	26.486	1.00	49.67
ATOM	2087	CA	PHE	1115	49.603	5.175	25.320	1.00	44.59
ATOM	2088	CB	PHE	1115	48.400	6.013	25.688	1.00	44.73
ATOM	2089	CG	PHE	1115	47.918	6.890	24.579	1.00	49.93
ATOM	2090	CD1	PHE	1115	48.140	8.270	24.621	1.00	50.02
ATOM	2091	CD2	PHE	1115	47.251	6.344	23.477	1.00	53.38
ATOM	2092	CE1	PHE	1115	47.704	9.098	23.577	1.00	52.88
ATOM	2093	CE2	PHE	1115	46.805	7.158	22.425	1.00	51.00
ATOM	2094	CZ	PHE	1115	47.033	8.535	22.474	1.00	54.64
ATOM	2095	C	PHE	1115	50.582	5.981	24.507	1.00	46.08
ATOM	2096	O	PHE	1115	50.929	5.572	23.402	1.00	47.48
ATOM	2097	N	CYS	1116	51.127	7.047	25.101	1.00	43.91
ATOM	2099	CA	CYS	1116	52.109	7.898	24.404	1.00	45.79
ATOM	2100	CB	CYS	1116	52.473	9.113	25.247	1.00	44.47
ATOM	2101	SG	CYS	1116	51.129	9.723	26.295	1.00	64.10
ATOM	2102	C	CYS	1116	53.392	7.140	24.019	1.00	46.03
ATOM	2103	O	CYS	1116	54.232	7.667	23.279	1.00	46.86
ATOM	2104	N	ARG	1117	53.536	5.911	24.529	1.00	44.91
ATOM	2106	CA	ARG	1117	54.688	5.069	24.237	1.00	41.89
ATOM	2107	CB	ARG	1117	54.882	4.001	25.308	1.00	43.78
ATOM	2108	CG	ARG	1117	56.237	3.298	25.233	1.00	45.19
ATOM	2109	CD	ARG	1117	56.189	1.905	25.856	1.00	47.09
ATOM	2110	NE	ARG	1117	55.490	0.922	25.021	1.00	49.55
ATOM	2112	CZ	ARG	1117	54.329	0.337	25.336	1.00	51.59
ATOM	2113	NH1	ARG	1117	53.783	-0.547	24.506	1.00	51.49
ATOM	2116	NH2	ARG	1117	53.695	0.649	26.461	1.00	47.17
ATOM	2119	C	ARG	1117	54.370	4.389	22.927	1.00	38.98
ATOM	2120	O	ARG	1117	55.156	4.455	21.996	1.00	42.49
ATOM	2121	N	ARG	1118	53.206	3.751	22.860	1.00	35.52

FIG. 7(43)

ATOM	2123	CA	ARG	1118	52.745	3.072	21.649	1.00	36.78
ATOM	2124	CB	ARG	1118	51.330	2.559	21.880	1.00	31.14
ATOM	2125	CG	ARG	1118	51.216	1.675	23.068	1.00	34.41
ATOM	2126	CD	ARG	1118	49.766	1.587	23.535	1.00	45.83
ATOM	2127	NE	ARG	1118	48.897	0.750	22.693	1.00	53.41
ATOM	2129	CZ	ARG	1118	47.564	0.658	22.826	1.00	55.58
ATOM	2130	NH1	ARG	1118	46.862	-0.144	22.025	1.00	56.70
ATOM	2133	NH2	ARG	1118	46.921	1.380	23.745	1.00	55.55
ATOM	2136	C	ARG	1118	52.742	4.067	20.471	1.00	38.92
ATOM	2137	O	ARG	1118	53.331	3.835	19.400	1.00	38.28
ATOM	2138	N	LEU	1119	52.063	5.186	20.711	1.00	40.67
ATOM	2140	CA	LEU	1119	51.912	6.295	19.779	1.00	36.71
ATOM	2141	CB	LEU	1119	51.192	7.416	20.540	1.00	32.46
ATOM	2142	CG	LEU	1119	50.238	8.508	20.049	1.00	25.91
ATOM	2143	CD1	LEU	1119	51.047	9.651	19.564	1.00	19.62
ATOM	2144	CD2	LEU	1119	49.250	7.993	19.024	1.00	22.26
ATOM	2145	C	LEU	1119	53.301	6.728	19.245	1.00	38.89
ATOM	2146	O	LEU	1119	53.469	6.960	18.047	1.00	43.59
ATOM	2147	N	LYS	1120	54.315	6.771	20.099	1.00	42.22
ATOM	2149	CA	LYS	1120	55.649	7.152	19.640	1.00	41.56
ATOM	2150	CB	LYS	1120	56.523	7.548	20.813	1.00	42.85
ATOM	2151	CG	LYS	1120	57.467	8.670	20.467	1.00	52.51
ATOM	2152	CD	LYS	1120	58.407	8.989	21.620	1.00	60.23
ATOM	2153	CE	LYS	1120	59.298	10.206	21.321	1.00	69.72
ATOM	2154	NZ	LYS	1120	58.605	11.557	21.283	1.00	76.23
ATOM	2158	C	LYS	1120	56.351	6.050	18.825	1.00	43.73
ATOM	2159	O	LYS	1120	57.287	6.342	18.073	1.00	47.49
ATOM	2160	N	GLU	1121	55.892	4.800	18.966	1.00	43.94
ATOM	2162	CA	GLU	1121	56.453	3.636	18.262	1.00	41.07
ATOM	2163	CB	GLU	1121	56.415	2.395	19.147	1.00	48.40
ATOM	2164	CG	GLU	1121	57.553	2.283	20.112	1.00	58.39
ATOM	2165	CD	GLU	1121	57.183	1.451	21.309	1.00	64.79
ATOM	2166	OE1	GLU	1121	56.403	0.483	21.119	1.00	67.43
ATOM	2167	OE2	GLU	1121	57.657	1.778	22.431	1.00	67.24
ATOM	2168	C	GLU	1121	55.739	3.284	16.968	1.00	39.16
ATOM	2169	O	GLU	1121	56.224	2.423	16.216	1.00	39.90
ATOM	2170	N	GLY	1122	54.525	3.805	16.781	1.00	31.72
ATOM	2172	CA	GLY	1122	53.838	3.550	15.531	1.00	22.36
ATOM	2173	C	GLY	1122	52.427	3.064	15.646	1.00	19.85
ATOM	2174	O	GLY	1122	51.791	2.779	14.633	1.00	18.01

FIG. 7(44)

ATOM	2175	N	THR	1123	51.918	2.946	16.860	1.00	16.84
ATOM	2177	CA	THR	1123	50.535	2.502	16.989	1.00	22.17
ATOM	2178	CB	THR	1123	50.209	2.144	18.469	1.00	29.75
ATOM	2179	OG1	THR	1123	51.148	1.174	18.971	1.00	31.60
ATOM	2181	CG2	THR	1123	48.794	1.587	18.591	1.00	31.44
ATOM	2182	C	THR	1123	49.653	3.673	16.453	1.00	23.74
ATOM	2183	O	THR	1123	49.940	4.850	16.721	1.00	18.73
ATOM	2184	N	ARG	1124	48.597	3.354	15.701	1.00	22.93
ATOM	2186	CA	ARG	1124	47.735	4.379	15.125	1.00	17.39
ATOM	2187	CB	ARG	1124	48.094	4.680	13.670	1.00	17.70
ATOM	2188	CG	ARG	1124	49.478	5.192	13.406	1.00	14.57
ATOM	2189	CD	ARG	1124	49.713	6.484	14.040	1.00	14.31
ATOM	2190	NE	ARG	1124	51.046	6.935	13.684	1.00	10.98
ATOM	2192	CZ	ARG	1124	52.067	6.988	14.533	1.00	16.02
ATOM	2193	NH1	ARG	1124	51.861	6.604	15.775	1.00	10.96
ATOM	2196	NH2	ARG	1124	53.269	7.468	14.163	1.00	8.74
ATOM	2199	C	ARG	1124	46.317	3.893	15.096	1.00	16.31
ATOM	2200	O	ARG	1124	46.085	2.698	15.022	1.00	20.38
ATOM	2201	N	MET	1125	45.380	4.847	15.081	1.00	21.15
ATOM	2203	CA	MET	1125	43.943	4.570	15.023	1.00	23.81
ATOM	2204	CB	MET	1125	43.158	5.870	15.012	1.00	16.88
ATOM	2205	CG	MET	1125	42.783	6.397	16.380	1.00	17.08
ATOM	2206	SD	MET	1125	41.656	7.825	16.270	1.00	25.19
ATOM	2207	CE	MET	1125	42.908	9.123	15.776	1.00	17.02
ATOM	2208	C	MET	1125	43.604	3.789	13.749	1.00	29.80
ATOM	2209	O	MET	1125	44.298	3.923	12.748	1.00	33.37
ATOM	2210	N	ARG	1126	42.576	2.953	13.806	1.00	36.07
ATOM	2212	CA	ARG	1126	42.116	2.183	12.668	1.00	36.36
ATOM	2213	CB	ARG	1126	41.465	0.859	13.154	1.00	40.10
ATOM	2214	CG	ARG	1126	40.257	1.021	14.061	1.00	54.46
ATOM	2215	CD	ARG	1126	38.956	1.268	13.263	1.00	65.08
ATOM	2216	NE	ARG	1126	37.839	1.758	14.091	1.00	72.39
ATOM	2218	CZ	ARG	1126	36.545	1.753	13.740	1.00	74.53
ATOM	2219	NH1	ARG	1126	35.636	2.233	14.588	1.00	78.72
ATOM	2222	NH2	ARG	1126	36.140	1.267	12.562	1.00	74.28
ATOM	2225	C	ARG	1126	41.124	3.094	11.888	1.00	32.52
ATOM	2226	O	ARG	1126	40.706	4.117	12.380	1.00	34.88
ATOM	2227	N	ALA	1127	40.760	2.725	10.676	1.00	29.80
ATOM	2229	CA	ALA	1127	39.888	3.508	9.812	1.00	29.83
ATOM	2230	CB	ALA	1127	39.743	2.782	8.460	1.00	32.24

FIG. 7(45)

ATOM	2231	C	ALA	1127	38.518	3.697	10.415	1.00	34.29
ATOM	2232	O	ALA	1127	37.944	2.727	10.881	1.00	39.95
ATOM	2233	N	PRO	1128	37.943	4.934	10.335	1.00	34.66
ATOM	2234	CD	PRO	1128	38.477	6.142	9.685	1.00	35.04
ATOM	2235	CA	PRO	1128	36.612	5.251	10.871	1.00	31.59
ATOM	2236	CB	PRO	1128	36.511	6.776	10.669	1.00	32.56
ATOM	2237	CG	PRO	1128	37.819	7.222	10.499	1.00	31.06
ATOM	2238	C	PRO	1128	35.648	4.597	9.916	1.00	33.99
ATOM	2239	O	PRO	1128	35.975	4.429	8.749	1.00	38.28
ATOM	2240	N	ASP	1129	34.416	4.371	10.344	1.00	31.98
ATOM	2242	CA	ASP	1129	33.425	3.728	9.489	1.00	34.11
ATOM	2243	CB	ASP	1129	32.157	3.432	10.277	1.00	29.91
ATOM	2244	CG	ASP	1129	32.447	2.811	11.623	1.00	34.04
ATOM	2245	OD1	ASP	1129	33.519	2.172	11.805	1.00	35.22
ATOM	2246	OD2	ASP	1129	31.597	2.976	12.515	1.00	36.43
ATOM	2247	C	ASP	1129	33.061	4.360	8.158	1.00	35.75
ATOM	2248	O	ASP	1129	32.441	3.699	7.312	1.00	38.26
ATOM	2249	N	TYR	1130	33.444	5.613	7.925	1.00	32.58
ATOM	2251	CA	TYR	1130	33.056	6.200	6.649	1.00	34.86
ATOM	2252	CB	TYR	1130	32.067	7.332	6.888	1.00	38.26
ATOM	2253	CG	TYR	1130	30.996	6.960	7.889	1.00	37.51
ATOM	2254	CD1	TYR	1130	31.208	7.153	9.245	1.00	36.44
ATOM	2255	CE1	TYR	1130	30.249	6.853	10.148	1.00	40.00
ATOM	2256	CD2	TYR	1130	29.787	6.442	7.468	1.00	39.18
ATOM	2257	CE2	TYR	1130	28.813	6.143	8.360	1.00	34.53
ATOM	2258	CZ	TYR	1130	29.050	6.353	9.709	1.00	39.16
ATOM	2259	OH	TYR	1130	28.120	6.147	10.690	1.00	47.34
ATOM	2261	C	TYR	1130	34.136	6.657	5.732	1.00	34.80
ATOM	2262	O	TYR	1130	33.853	7.257	4.694	1.00	27.05
ATOM	2263	N	THR	1131	35.388	6.414	6.108	1.00	37.58
ATOM	2265	CA	THR	1131	36.457	6.829	5.238	1.00	38.70
ATOM	2266	CB	THR	1131	37.783	6.598	5.763	1.00	39.57
ATOM	2267	OG1	THR	1131	37.775	5.417	6.564	1.00	51.23
ATOM	2269	CG2	THR	1131	38.250	7.775	6.481	1.00	49.58
ATOM	2270	C	THR	1131	36.476	6.071	3.955	1.00	38.19
ATOM	2271	O	THR	1131	35.913	4.967	3.808	1.00	38.82
ATOM	2272	N	THR	1132	37.297	6.649	3.104	1.00	31.58
ATOM	2274	CA	THR	1132	37.638	6.148	1.836	1.00	27.37
ATOM	2275	CB	THR	1132	37.591	7.302	0.887	1.00	18.06
ATOM	2276	OG1	THR	1132	36.274	7.366	0.348	1.00	29.75

FIG. 7(46)

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ATOM  2278 CG2 THR 1132      38.528   7.126  -0.161  1.00 32.09
ATOM  2279 C   THR 1132      39.064   5.634   2.159  1.00 31.18
ATOM  2280 O   THR 1132      39.678   6.088   3.149  1.00 37.35
ATOM  2281 N   PRO 1133      39.543   4.601   1.439  1.00 29.49
ATOM  2282 CD  PRO 1133      38.884   3.875   0.336  1.00 28.18
ATOM  2283 CA  PRO 1133      40.876   4.065   1.686  1.00 23.60
ATOM  2284 CB  PRO 1133      41.029   2.998   0.604  1.00 29.05
ATOM  2285 CG  PRO 1133      39.640   2.581   0.319  1.00 28.36
ATOM  2286 C   PRO 1133      41.917   5.122   1.500  1.00 22.87
ATOM  2287 O   PRO 1133      42.944   5.119   2.182  1.00 30.07
ATOM  2288 N   GLU 1134      41.700   5.983   0.511  1.00 18.80
ATOM  2290 CA  GLU 1134      42.656   7.049   0.264  1.00 22.21
ATOM  2291 CB  GLU 1134      42.594   7.573  -1.160  1.00 26.28
ATOM  2292 CG  GLU 1134      41.214   7.564  -1.765  1.00 40.23
ATOM  2293 CD  GLU 1134      40.901   6.347  -2.617  1.00 42.05
ATOM  2294 OE1 GLU 1134      41.727   6.004  -3.504  1.00 44.65
ATOM  2295 OE2 GLU 1134      39.799   5.779  -2.453  1.00 44.07
ATOM  2296 C   GLU 1134      42.547   8.164   1.300  1.00 21.07
ATOM  2297 O   GLU 1134      43.528   8.877   1.543  1.00 20.78
ATOM  2298 N   MET 1135      41.375   8.304   1.940  1.00 20.24
ATOM  2300 CA  MET 1135      41.233   9.304   2.996  1.00 16.52
ATOM  2301 CB  MET 1135      39.775   9.658   3.319  1.00 17.57
ATOM  2302 CG  MET 1135      39.158  10.807   2.420  1.00 15.02
ATOM  2303 SD  MET 1135      40.199  12.320   2.187  1.00 20.17
ATOM  2304 CE  MET 1135      40.632  12.648   3.877  1.00 13.20
ATOM  2305 C   MET 1135      41.974   8.751   4.191  1.00 20.41
ATOM  2306 O   MET 1135      42.772   9.461   4.787  1.00 25.79
ATOM  2307 N   TYR 1136      41.836   7.448   4.445  1.00 20.30
ATOM  2309 CA  TYR 1136      42.565   6.817   5.540  1.00 17.65
ATOM  2310 CB  TYR 1136      42.082   5.394   5.832  1.00 21.89
ATOM  2311 CG  TYR 1136      42.786   4.775   7.041  1.00 26.17
ATOM  2312 CD1 TYR 1136      42.702   5.353   8.325  1.00 20.81
ATOM  2313 CE1 TYR 1136      43.364   4.781   9.427  1.00 17.33
ATOM  2314 CD2 TYR 1136      43.554   3.612   6.900  1.00 26.03
ATOM  2315 CE2 TYR 1136      44.225   3.034   7.998  1.00 12.75
ATOM  2316 CZ  TYR 1136      44.124   3.615   9.245  1.00 16.64
ATOM  2317 OH  TYR 1136      44.791   2.999  10.281  1.00 17.57
ATOM  2319 C   TYR 1136      44.077   6.847   5.267  1.00 14.28
ATOM  2320 O   TYR 1136      44.892   7.066   6.179  1.00 19.62
ATOM  2321 N   GLN 1137      44.479   6.693   4.022  1.00 12.55
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FIG. 7(47)

ATOM	2323	CA	GLN	1137	45.903	6.777	3.758	1.00	16.34
ATOM	2324	CB	GLN	1137	46.218	6.412	2.325	1.00	18.36
ATOM	2325	CG	GLN	1137	47.702	6.654	1.945	1.00	21.79
ATOM	2326	CD	GLN	1137	48.613	5.655	2.561	1.00	14.21
ATOM	2327	OE1	GLN	1137	48.416	4.469	2.381	1.00	22.64
ATOM	2328	NE2	GLN	1137	49.571	6.111	3.344	1.00	18.97
ATOM	2331	C	GLN	1137	46.415	8.193	4.041	1.00	20.40
ATOM	2332	O	GLN	1137	47.598	8.378	4.391	1.00	25.11
ATOM	2333	N	THR	1138	45.564	9.194	3.807	1.00	18.65
ATOM	2335	CA	THR	1138	45.939	10.568	4.068	1.00	15.52
ATOM	2336	CB	THR	1138	44.921	11.507	3.538	1.00	19.97
ATOM	2337	OG1	THR	1138	44.797	11.257	2.144	1.00	18.74
ATOM	2339	CG2	THR	1138	45.381	12.939	3.722	1.00	21.70
ATOM	2340	C	THR	1138	46.111	10.721	5.566	1.00	12.73
ATOM	2341	O	THR	1138	47.067	11.344	6.010	1.00	18.83
ATOM	2342	N	MET	1139	45.233	10.118	6.352	1.00	9.32
ATOM	2344	CA	MET	1139	45.402	10.151	7.809	1.00	12.25
ATOM	2345	CB	MET	1139	44.295	9.349	8.480	1.00	13.21
ATOM	2346	CG	MET	1139	42.967	10.007	8.354	1.00	5.60
ATOM	2347	SD	MET	1139	41.708	8.982	9.003	1.00	17.66
ATOM	2348	CE	MET	1139	40.510	9.337	7.925	1.00	2.00
ATOM	2349	C	MET	1139	46.773	9.567	8.198	1.00	15.96
ATOM	2350	O	MET	1139	47.573	10.237	8.855	1.00	17.30
ATOM	2351	N	LEU	1140	47.058	8.333	7.770	1.00	15.29
ATOM	2353	CA	LEU	1140	48.357	7.735	8.081	1.00	14.20
ATOM	2354	CB	LEU	1140	48.542	6.409	7.326	1.00	6.27
ATOM	2355	CG	LEU	1140	47.511	5.373	7.745	1.00	15.42
ATOM	2356	CD1	LEU	1140	47.656	4.103	6.927	1.00	8.64
ATOM	2357	CD2	LEU	1140	47.648	5.103	9.246	1.00	14.99
ATOM	2358	C	LEU	1140	49.518	8.684	7.751	1.00	17.20
ATOM	2359	O	LEU	1140	50.552	8.691	8.442	1.00	18.73
ATOM	2360	N	ASP	1141	49.396	9.413	6.644	1.00	20.16
ATOM	2362	CA	ASP	1141	50.442	10.374	6.229	1.00	19.52
ATOM	2363	CB	ASP	1141	50.139	10.963	4.851	1.00	20.89
ATOM	2364	CG	ASP	1141	50.228	9.942	3.772	1.00	25.01
ATOM	2365	OD1	ASP	1141	50.537	8.765	4.074	1.00	30.17
ATOM	2366	OD2	ASP	1141	49.994	10.321	2.624	1.00	26.42
ATOM	2367	C	ASP	1141	50.627	11.521	7.207	1.00	15.10
ATOM	2368	O	ASP	1141	51.762	11.905	7.502	1.00	8.73
ATOM	2369	N	CYS	1142	49.504	12.101	7.637	1.00	10.75

FIG. 7(48)

ATOM	2371	CA	CYS	1142	49.516	13.196	8.590	1.00	13.88
ATOM	2372	CB	CYS	1142	48.110	13.776	8.739	1.00	17.83
ATOM	2373	SG	CYS	1142	47.414	14.574	7.291	1.00	17.66
ATOM	2374	C	CYS	1142	50.042	12.717	9.961	1.00	15.52
ATOM	2375	O	CYS	1142	50.545	13.513	10.734	1.00	16.31
ATOM	2376	N	TRP	1143	49.883	11.424	10.266	1.00	20.06
ATOM	2378	CA	TRP	1143	50.344	10.830	11.528	1.00	17.66
ATOM	2379	CB	TRP	1143	49.393	9.727	11.991	1.00	15.44
ATOM	2380	CG	TRP	1143	48.041	10.236	12.273	1.00	14.25
ATOM	2381	CD2	TRP	1143	46.814	9.495	12.233	1.00	18.13
ATOM	2382	CE2	TRP	1143	45.774	10.401	12.540	1.00	12.59
ATOM	2383	CE3	TRP	1143	46.490	8.143	11.966	1.00	16.02
ATOM	2384	CD1	TRP	1143	47.710	11.514	12.605	1.00	7.90
ATOM	2385	NE1	TRP	1143	46.355	11.618	12.768	1.00	13.52
ATOM	2387	CZ2	TRP	1143	44.425	10.012	12.592	1.00	8.83
ATOM	2388	CZ3	TRP	1143	45.155	7.755	12.017	1.00	11.61
ATOM	2389	CH2	TRP	1143	44.133	8.691	12.327	1.00	16.83
ATOM	2390	C	TRP	1143	51.765	10.281	11.442	1.00	23.22
ATOM	2391	O	TRP	1143	52.208	9.507	12.298	1.00	27.31
ATOM	2392	N	HIS	1144	52.510	10.722	10.440	1.00	24.48
ATOM	2394	CA	HIS	1144	53.876	10.280	10.299	1.00	26.08
ATOM	2395	CB	HIS	1144	54.495	10.859	9.023	1.00	19.25
ATOM	2396	CG	HIS	1144	55.791	10.214	8.654	1.00	18.57
ATOM	2397	CD2	HIS	1144	56.923	10.003	9.374	1.00	14.60
ATOM	2398	ND1	HIS	1144	56.016	9.657	7.415	1.00	19.61
ATOM	2400	CE1	HIS	1144	57.231	9.133	7.387	1.00	19.99
ATOM	2401	NE2	HIS	1144	57.803	9.332	8.562	1.00	15.04
ATOM	2403	C	HIS	1144	54.710	10.671	11.542	1.00	32.65
ATOM	2404	O	HIS	1144	54.626	11.795	12.031	1.00	31.70
ATOM	2405	N	GLY	1145	55.541	9.734	12.016	1.00	37.26
ATOM	2407	CA	GLY	1145	56.393	9.970	13.168	1.00	31.32
ATOM	2408	C	GLY	1145	57.251	11.212	13.001	1.00	35.04
ATOM	2409	O	GLY	1145	57.372	11.989	13.942	1.00	38.42
ATOM	2410	N	GLU	1146	57.915	11.373	11.852	1.00	34.51
ATOM	2412	CA	GLU	1146	58.735	12.577	11.598	1.00	37.16
ATOM	2413	CB	GLU	1146	59.871	12.303	10.627	1.00	37.16
ATOM	2414	CG	GLU	1146	61.093	11.742	11.292	1.00	50.26
ATOM	2415	CD	GLU	1146	61.186	10.243	11.110	1.00	54.17
ATOM	2416	OE1	GLU	1146	61.158	9.509	12.125	1.00	55.25
ATOM	2417	OE2	GLU	1146	61.280	9.804	9.938	1.00	59.09

FIG. 7(49)

ATOM	2418	C	GLU	1146	57.910	13.742	11.052	1.00	36.46
ATOM	2419	O	GLU	1146	57.378	13.665	9.934	1.00	35.72
ATOM	2420	N	PRO	1147	57.861	14.868	11.791	1.00	34.09
ATOM	2421	CD	PRO	1147	58.490	15.147	13.099	1.00	33.72
ATOM	2422	CA	PRO	1147	57.082	16.020	11.336	1.00	29.77
ATOM	2423	CB	PRO	1147	57.446	17.106	12.351	1.00	27.86
ATOM	2424	CG	PRO	1147	57.668	16.334	13.619	1.00	26.72
ATOM	2425	C	PRO	1147	57.436	16.417	9.922	1.00	27.04
ATOM	2426	O	PRO	1147	56.559	16.784	9.158	1.00	30.21
ATOM	2427	N	SER	1148	58.698	16.255	9.551	1.00	22.56
ATOM	2429	CA	SER	1148	59.177	16.616	8.210	1.00	24.23
ATOM	2430	CB	SER	1148	60.707	16.724	8.203	1.00	27.40
ATOM	2431	OG	SER	1148	61.314	15.477	8.545	1.00	36.19
ATOM	2433	C	SER	1148	58.743	15.674	7.101	1.00	21.41
ATOM	2434	O	SER	1148	58.890	15.964	5.913	1.00	24.41
ATOM	2435	N	GLN	1149	58.272	14.508	7.485	1.00	25.45
ATOM	2437	CA	GLN	1149	57.831	13.547	6.497	1.00	26.28
ATOM	2438	CB	GLN	1149	58.224	12.142	6.946	1.00	32.79
ATOM	2439	CG	GLN	1149	59.705	11.907	6.958	1.00	25.96
ATOM	2440	CD	GLN	1149	60.279	12.196	5.622	1.00	32.77
ATOM	2441	OE1	GLN	1149	59.765	11.744	4.591	1.00	36.63
ATOM	2442	NE2	GLN	1149	61.312	13.007	5.604	1.00	37.86
ATOM	2445	C	GLN	1149	56.327	13.670	6.278	1.00	23.40
ATOM	2446	O	GLN	1149	55.783	13.145	5.306	1.00	23.12
ATOM	2447	N	ARG	1150	55.662	14.339	7.215	1.00	22.72
ATOM	2449	CA	ARG	1150	54.226	14.581	7.132	1.00	17.86
ATOM	2450	CB	ARG	1150	53.721	15.243	8.392	1.00	16.38
ATOM	2451	CG	ARG	1150	54.161	14.532	9.598	1.00	13.96
ATOM	2452	CD	ARG	1150	53.285	14.903	10.728	1.00	15.08
ATOM	2453	NE	ARG	1150	53.632	14.090	11.879	1.00	24.55
ATOM	2455	CZ	ARG	1150	54.066	14.564	13.040	1.00	27.63
ATOM	2456	NH1	ARG	1150	54.192	15.871	13.230	1.00	27.18
ATOM	2459	NH2	ARG	1150	54.423	13.717	13.991	1.00	29.34
ATOM	2462	C	ARG	1150	54.025	15.559	6.008	1.00	16.82
ATOM	2463	O	ARG	1150	54.913	16.382	5.715	1.00	13.09
ATOM	2464	N	PRO	1151	52.873	15.464	5.320	1.00	18.01
ATOM	2465	CD	PRO	1151	51.793	14.453	5.320	1.00	6.32
ATOM	2466	CA	PRO	1151	52.726	16.442	4.240	1.00	18.95
ATOM	2467	CB	PRO	1151	51.489	15.948	3.492	1.00	16.01
ATOM	2468	CG	PRO	1151	50.726	15.092	4.520	1.00	10.59

FIG. 7(50)

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ATOM  2469  C   PRO 1151      52.574  17.861   4.805  1.00 18.27
ATOM  2470  O   PRO 1151      52.422  18.039   6.006  1.00 19.70
ATOM  2471  N   THR 1152      52.763  18.860   3.958  1.00 19.16
ATOM  2473  CA  THR 1152      52.604  20.251   4.366  1.00 14.92
ATOM  2474  CB  THR 1152      53.511  21.138   3.560  1.00 13.80
ATOM  2475  OG1 THR 1152      53.146  21.080   2.163  1.00 17.02
ATOM  2477  CG2 THR 1152      54.918  20.697   3.764  1.00  5.40
ATOM  2478  C   THR 1152      51.196  20.571   3.979  1.00 13.16
ATOM  2479  O   THR 1152      50.682  19.905   3.084  1.00 19.18
ATOM  2480  N   PHE 1153      50.561  21.572   4.599  1.00 14.62
ATOM  2482  CA  PHE 1153      49.176  21.910   4.224  1.00 12.87
ATOM  2483  CB  PHE 1153      48.588  23.023   5.083  1.00 11.95
ATOM  2484  CG  PHE 1153      48.157  22.558   6.422  1.00  9.67
ATOM  2485  CD1 PHE 1153      47.037  21.740   6.560  1.00 14.91
ATOM  2486  CD2 PHE 1153      48.891  22.857   7.533  1.00 15.01
ATOM  2487  CE1 PHE 1153      46.660  21.215   7.802  1.00  9.44
ATOM  2488  CE2 PHE 1153      48.529  22.340   8.789  1.00 13.43
ATOM  2489  CZ  PHE 1153      47.405  21.513   8.913  1.00  8.41
ATOM  2490  C   PHE 1153      49.073  22.253   2.750  1.00 16.98
ATOM  2491  O   PHE 1153      48.078  21.927   2.114  1.00 21.60
ATOM  2492  N   SER 1154      50.116  22.841   2.168  1.00 15.39
ATOM  2494  CA  SER 1154      50.031  23.123   0.754  1.00 17.55
ATOM  2495  CB  SER 1154      51.251  23.868   0.254  1.00 25.28
ATOM  2496  OG  SER 1154      51.244  25.190   0.776  1.00 33.35
ATOM  2498  C   SER 1154      49.850  21.815   0.022  1.00 20.26
ATOM  2499  O   SER 1154      48.932  21.704  -0.798  1.00 23.74
ATOM  2500  N   GLU 1155      50.670  20.808   0.347  1.00 19.47
ATOM  2502  CA  GLU 1155      50.534  19.493  -0.307  1.00 16.55
ATOM  2503  CB  GLU 1155      51.588  18.513   0.188  1.00 19.82
ATOM  2504  CG  GLU 1155      52.932  18.773  -0.486  1.00 20.20
ATOM  2505  CD  GLU 1155      54.128  18.210   0.249  1.00 23.11
ATOM  2506  OE1 GLU 1155      55.226  18.377  -0.312  1.00 35.76
ATOM  2507  OE2 GLU 1155      54.009  17.631   1.359  1.00 21.09
ATOM  2508  C   GLU 1155      49.153  18.918  -0.107  1.00 16.59
ATOM  2509  O   GLU 1155      48.548  18.414  -1.055  1.00 21.37
ATOM  2510  N   LEU 1156      48.619  19.034   1.101  1.00 16.01
ATOM  2512  CA  LEU 1156      47.272  18.532   1.375  1.00 18.06
ATOM  2513  CB  LEU 1156      46.969  18.521   2.875  1.00 15.74
ATOM  2514  CG  LEU 1156      47.688  17.493   3.759  1.00 11.35
ATOM  2515  CD1 LEU 1156      47.786  18.049   5.201  1.00  2.08
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FIG. 7(51)

ATOM	2516	CD2	LEU	1156	46.927	16.150	3.708	1.00	14.36
ATOM	2517	C	LEU	1156	46.165	19.287	0.638	1.00	20.03
ATOM	2518	O	LEU	1156	45.105	18.711	0.355	1.00	26.86
ATOM	2519	N	VAL	1157	46.354	20.570	0.355	1.00	21.44
ATOM	2521	CA	VAL	1157	45.303	21.283	-0.362	1.00	21.15
ATOM	2522	CB	VAL	1157	45.513	22.801	-0.381	1.00	21.33
ATOM	2523	CG1	VAL	1157	44.569	23.453	-1.368	1.00	15.98
ATOM	2524	CG2	VAL	1157	45.198	23.340	0.974	1.00	13.87
ATOM	2525	C	VAL	1157	45.270	20.721	-1.760	1.00	22.88
ATOM	2526	O	VAL	1157	44.198	20.508	-2.333	1.00	25.54
ATOM	2527	N	GLU	1158	46.445	20.400	-2.282	1.00	23.10
ATOM	2529	CA	GLU	1158	46.503	19.815	-3.603	1.00	27.24
ATOM	2530	CB	GLU	1158	47.922	19.756	-4.115	1.00	32.82
ATOM	2531	CG	GLU	1158	47.969	18.978	-5.404	1.00	44.73
ATOM	2532	CD	GLU	1158	49.187	19.268	-6.212	1.00	51.53
ATOM	2533	OE1	GLU	1158	49.007	19.887	-7.292	1.00	54.31
ATOM	2534	OE2	GLU	1158	50.298	18.869	-5.765	1.00	51.10
ATOM	2535	C	GLU	1158	45.939	18.403	-3.643	1.00	26.42
ATOM	2536	O	GLU	1158	45.167	18.051	-4.546	1.00	25.91
ATOM	2537	N	HIS	1159	46.347	17.591	-2.669	1.00	26.36
ATOM	2539	CA	HIS	1159	45.897	16.226	-2.611	1.00	21.52
ATOM	2540	CB	HIS	1159	46.674	15.444	-1.576	1.00	25.28
ATOM	2541	CG	HIS	1159	46.322	13.991	-1.545	1.00	24.66
ATOM	2542	CD2	HIS	1159	46.408	13.030	-2.497	1.00	24.44
ATOM	2543	ND1	HIS	1159	45.749	13.387	-0.452	1.00	21.30
ATOM	2545	CE1	HIS	1159	45.489	12.125	-0.731	1.00	23.16
ATOM	2546	NE2	HIS	1159	45.879	11.884	-1.961	1.00	19.88
ATOM	2548	C	HIS	1159	44.402	16.104	-2.391	1.00	21.56
ATOM	2549	O	HIS	1159	43.741	15.311	-3.066	1.00	22.19
ATOM	2550	N	LEU	1160	43.852	16.874	-1.456	1.00	20.25
ATOM	2552	CA	LEU	1160	42.408	16.832	-1.209	1.00	17.66
ATOM	2553	CB	LEU	1160	42.111	17.502	0.130	1.00	17.84
ATOM	2554	CG	LEU	1160	42.676	16.760	1.352	1.00	20.17
ATOM	2555	CD1	LEU	1160	42.472	17.542	2.619	1.00	21.45
ATOM	2556	CD2	LEU	1160	41.992	15.454	1.512	1.00	19.45
ATOM	2557	C	LEU	1160	41.566	17.418	-2.395	1.00	17.71
ATOM	2558	O	LEU	1160	40.426	17.030	-2.624	1.00	15.39
ATOM	2559	N	GLY	1161	42.130	18.356	-3.153	1.00	23.52
ATOM	2561	CA	GLY	1161	41.434	18.879	-4.322	1.00	21.37
ATOM	2562	C	GLY	1161	41.342	17.741	-5.346	1.00	23.91

FIG. 7(52)

ATOM	2563	O	GLY	1161	40.295	17.526	-5.971	1.00	23.05
ATOM	2564	N	ASN	1162	42.439	16.997	-5.520	1.00	21.49
ATOM	2566	CA	ASN	1162	42.428	15.854	-6.428	1.00	22.31
ATOM	2567	CB	ASN	1162	43.771	15.109	-6.427	1.00	22.34
ATOM	2568	CG	ASN	1162	44.904	15.888	-7.062	1.00	20.03
ATOM	2569	OD1	ASN	1162	44.705	16.903	-7.701	1.00	28.17
ATOM	2570	ND2	ASN	1162	46.117	15.401	-6.873	1.00	32.22
ATOM	2573	C	ASN	1162	41.356	14.851	-5.969	1.00	23.05
ATOM	2574	O	ASN	1162	40.570	14.378	-6.769	1.00	26.11
ATOM	2575	N	LEU	1163	41.360	14.490	-4.688	1.00	21.05
ATOM	2577	CA	LEU	1163	40.405	13.523	-4.166	1.00	19.91
ATOM	2578	CB	LEU	1163	40.695	13.172	-2.689	1.00	19.18
ATOM	2579	CG	LEU	1163	41.675	12.042	-2.275	1.00	18.62
ATOM	2580	CD1	LEU	1163	42.959	12.120	-3.020	1.00	24.35
ATOM	2581	CD2	LEU	1163	41.983	12.043	-0.804	1.00	14.82
ATOM	2582	C	LEU	1163	39.015	14.038	-4.331	1.00	19.71
ATOM	2583	O	LEU	1163	38.110	13.318	-4.767	1.00	23.11
ATOM	2584	N	LEU	1164	38.860	15.328	-4.121	1.00	25.91
ATOM	2586	CA	LEU	1164	37.533	15.941	-4.226	1.00	29.28
ATOM	2587	CB	LEU	1164	37.603	17.388	-3.726	1.00	31.25
ATOM	2588	CG	LEU	1164	36.348	18.176	-3.371	1.00	25.75
ATOM	2589	CD1	LEU	1164	35.429	17.396	-2.435	1.00	31.52
ATOM	2590	CD2	LEU	1164	7.018	15.866	-5.653	1.00	30.07
ATOM	2592	O	LEU	1164	35.953	15.330	-5.903	1.00	32.61
ATOM	2593	N	GLN	1165	37.810	16.344	-6.598	1.00	33.76
ATOM	2595	CA	GLN	1165	37.423	16.317	-8.003	1.00	39.95
ATOM	2596	CB	GLN	1165	38.451	17.048	-8.855	1.00	46.90
ATOM	2597	CG	GLN	1165	38.758	18.474	-8.480	1.00	49.81
ATOM	2598	CD	GLN	1165	39.874	19.024	-9.348	1.00	56.23
ATOM	2599	OE1	GLN	1165	41.056	18.945	-8.997	1.00	55.97
ATOM	2600	NE2	GLN	1165	39.508	19.536	-10.518	1.00	60.66
ATOM	2603	C	GLN	1165	37.304	14.898	-8.554	1.00	39.33
ATOM	2604	O	GLN	1165	36.652	14.685	-9.568	1.00	42.09
ATOM	2605	N	ALA	1166	38.059	13.965	-7.988	1.00	36.82
ATOM	2607	CA	ALA	1166	37.994	12.586	-8.441	1.00	34.66
ATOM	2608	CB	ALA	1166	39.096	11.748	-7.814	1.00	32.78
ATOM	2609	C	ALA	1166	36.640	12.103	-7.991	1.00	36.63
ATOM	2610	O	ALA	1166	35.969	11.381	-8.713	1.00	39.47
ATOM	2611	N	ASN	1167	36.226	12.532	-6.800	1.00	40.01
ATOM	2613	CA	ASN	1167	34.911	12.158	-6.264	1.00	42.40

FIG. 7(53)

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ATOM  2614  CB  ASN  1167      34.641  12.878  -4.919  1.00 42.99
ATOM  2615  CG  ASN  1167      33.354  12.409  -4.242  1.00 40.80
ATOM  2616  OD1 ASN  1167      32.306  13.046  -4.348  1.00 40.18
ATOM  2617  ND2 ASN  1167      33.436  11.294  -3.532  1.00 36.58
ATOM  2620  C   ASN  1167      33.822  12.498  -7.299  1.00 41.88
ATOM  2621  O   ASN  1167      32.837  11.789  -7.391  1.00 41.83
ATOM  2622  N   ALA  1168      34.057  13.558  -8.085  1.00 45.09
ATOM  2624  CA  ALA  1168      33.187  14.065  -9.160  1.00 46.02
ATOM  2625  CB  ALA  1168      32.507  12.933  -9.929  1.00 45.92
ATOM  2626  C   ALA  1168      32.181  15.123  -8.728  1.00 48.61
ATOM  2628  O   ALA  1168      32.627  16.233  -8.363  1.00 50.20
ATOM  2629  O   HOH   1       46.858  21.496  16.690  1.00 23.54
ATOM  2632  O   HOH   2       49.904  21.605  17.271  1.00 36.65
ATOM  2635  O   HOH   3       49.682  18.133  17.657  1.00 50.47
ATOM  2638  O   HOH   4       56.606  19.394  15.202  1.00 25.28
ATOM  2641  O   HOH   5       57.215  21.949  11.395  1.00 37.66
ATOM  2644  O   HOH   6       56.082  25.850  12.933  1.00 34.63
ATOM  2647  O   HOH   7       52.355  23.016   6.377  1.00 21.45
ATOM  2650  O   HOH   8       51.153  27.376   4.088  1.00 29.93
ATOM  2653  O   HOH   9       44.820  28.454   1.120  1.00 16.47
ATOM  2656  O   HOH  10       46.377  38.321   5.198  1.00 31.93
ATOM  2659  O   HOH  11       43.987  38.133   3.129  1.00 52.41
ATOM  2662  O   HOH  12       53.321  40.451   6.702  1.00 31.88
ATOM  2665  O   HOH  13       44.977  49.530   8.305  1.00 44.56
ATOM  2668  O   HOH  14       44.379  43.338   7.798  1.00 31.72
ATOM  2671  O   HOH  15       39.477  40.232   8.468  1.00 36.65
ATOM  2674  O   HOH  16       41.987  36.751  10.646  1.00 23.26
ATOM  2677  O   HOH  17       41.711  41.873   6.802  1.00 34.79
ATOM  2680  O   HOH  18       29.514  24.656  18.739  1.00 31.43
ATOM  2683  O   HOH  19       27.493  22.351  15.517  1.00 42.03
ATOM  2686  O   HOH  20       24.345  20.097  15.325  1.00 24.92
ATOM  2689  O   HOH  21       32.381  18.452  20.520  1.00 75.12
ATOM  2692  O   HOH  22       31.071   8.282  19.507  1.00 31.68
ATOM  2695  O   HOH  23       33.001   7.742  21.598  1.00 38.67
ATOM  2698  O   HOH  24       34.802   6.439  18.667  1.00 34.24
ATOM  2701  O   HOH  25       32.273   6.932  14.174  1.00 41.21
ATOM  2704  O   HOH  26       34.059   5.245  12.870  1.00 49.30
ATOM  2707  O   HOH  27       38.059   3.432   4.799  1.00 63.69
ATOM  2710  O   HOH  28       41.089   1.841   4.421  1.00 42.86
ATOM  2713  O   HOH  29       45.081   9.234  -0.557  1.00 39.97
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FIG. 7(54)

ATOM	2716	O	HOH	30	47.301	11.215	1.271	1.00	58.47
ATOM	2719	O	HOH	31	50.046	14.055	0.168	1.00	37.58
ATOM	2722	O	HOH	32	54.425	8.937	4.821	1.00	36.74
ATOM	2725	O	HOH	33	52.279	7.099	5.152	1.00	13.04
ATOM	2728	O	HOH	34	53.025	7.510	7.740	1.00	25.53
ATOM	2731	O	HOH	35	50.852	6.818	10.462	1.00	18.29
ATOM	2734	O	HOH	36	46.448	7.762	15.254	1.00	9.08
ATOM	2737	O	HOH	37	47.326	3.930	20.460	1.00	34.16
ATOM	2740	O	HOH	38	48.264	12.367	20.804	1.00	22.14
ATOM	2743	O	HOH	39	44.276	8.193	24.312	1.00	40.52
ATOM	2746	O	HOH	40	37.491	11.237	25.975	1.00	38.71
ATOM	2749	O	HOH	41	37.592	13.565	23.164	1.00	44.55
ATOM	2752	O	HOH	42	34.887	12.418	26.235	1.00	50.96
ATOM	2755	O	HOH	43	24.823	15.933	17.377	1.00	33.72
ATOM	2758	O	HOH	44	23.302	7.532	7.049	1.00	57.56
ATOM	2761	O	HOH	45	29.954	11.864	-3.109	1.00	38.05
ATOM	2764	O	HOH	46	42.099	3.812	18.044	1.00	40.12
ATOM	2767	O	HOH	47	38.653	0.737	18.003	1.00	37.30
ATOM	2770	O	HOH	48	34.169	14.465	16.707	1.00	20.01
ATOM	2773	O	HOH	49	37.055	32.622	16.570	1.00	31.20
ATOM	2776	O	HOH	50	29.361	31.729	15.460	1.00	21.90
ATOM	2779	O	HOH	51	25.866	31.495	10.192	1.00	24.50
ATOM	2782	O	HOH	52	23.411	32.276	10.616	1.00	68.85
ATOM	2785	O	HOH	53	22.135	37.404	8.648	1.00	40.22
ATOM	2788	O	HOH	54	28.356	36.997	10.747	1.00	22.41
ATOM	2791	O	HOH	55	29.650	33.190	8.897	1.00	31.98
ATOM	2794	O	HOH	56	34.801	35.904	3.297	1.00	59.73
ATOM	2797	O	HOH	57	24.341	20.715	4.934	1.00	28.10
ATOM	2800	O	HOH	58	37.439	20.236	25.832	1.00	33.07
ATOM	2803	O	HOH	59	32.675	51.977	19.122	1.00	33.52
ATOM	2806	O	HOH	60	32.722	54.003	14.118	1.00	25.01
ATOM	2809	O	HOH	61	29.691	54.769	22.004	1.00	27.32
ATOM	2812	O	HOH	62	21.347	47.577	14.711	1.00	27.85
ATOM	2815	O	HOH	63	25.640	44.257	7.516	1.00	24.71
ATOM	2818	O	HOH	64	24.686	40.916	3.785	1.00	55.13
ATOM	2821	O	HOH	65	33.825	48.721	10.105	1.00	39.11
ATOM	2824	O	HOH	66	39.855	54.415	18.247	1.00	50.97
ATOM	2827	O	HOH	67	36.001	50.053	7.081	1.00	68.99
ATOM	2830	O	HOH	68	37.973	50.651	5.331	1.00	32.12
ATOM	2833	O	HOH	69	40.220	53.227	6.506	1.00	15.02

FIG. 7(55)

ATOM	2836	O	HOH	70	42.258	51.833	6.993	1.00	21.05
ATOM	2839	O	HOH	71	36.813	55.217	13.035	1.00	46.29
ATOM	2842	O	HOH	72	37.030	55.879	15.712	1.00	39.36
ATOM	2845	O	HOH	73	23.054	45.061	23.607	1.00	51.11
ATOM	2848	O	HOH	74	27.075	54.516	6.971	1.00	51.66
ATOM	2851	O	HOH	75	21.634	54.039	13.651	1.00	36.36
ATOM	2854	O	HOH	76	45.158	47.529	30.699	1.00	56.11
ATOM	2857	O	HOH	77	44.469	45.246	36.699	1.00	36.50
ATOM	2860	O	HOH	78	45.882	41.717	36.085	1.00	28.57
ATOM	2863	O	HOH	79	49.406	41.527	34.292	1.00	65.94
ATOM	2866	O	HOH	80	36.134	49.719	26.101	1.00	63.80
ATOM	2869	O	HOH	81	26.884	28.564	16.554	1.00	49.20
ATOM	2872	O	HOH	82	22.079	10.131	13.444	1.00	56.45
ATOM	2875	O	HOH	83	41.225	4.655	30.464	1.00	58.98
ATOM	2878	O	HOH	84	47.309	1.568	10.326	1.00	21.69
ATOM	2881	O	HOH	85	56.613	18.335	6.527	1.00	33.97
ATOM	2884	O	HOH	86	56.196	16.855	3.275	1.00	47.24
ATOM	2887	O	HOH	87	54.826	22.813	0.598	1.00	33.50
ATOM	2890	O	HOH	88	52.962	21.915	-2.351	1.00	66.62
ATOM	2893	O	HOH	89	47.896	24.242	-3.714	1.00	40.99
ATOM	2896	O	HOH	90	40.295	22.360	25.551	1.00	39.81
ATOM	2899	O	HOH	91	40.188	3.202	15.661	1.00	45.97
ATOM	2902	O	HOH	92	45.159	2.965	19.553	1.00	44.25
ATOM	2905	O	HOH	93	36.591	7.772	23.374	1.00	68.23
ATOM	2908	O	HOH	94	34.274	5.197	22.878	1.00	51.62
ATOM	2911	O	HOH	95	41.935	7.033	29.073	1.00	63.23
ATOM	2914	O	HOH	96	20.731	12.105	14.716	1.00	54.80
ATOM	2917	O	HOH	97	23.147	13.682	17.882	1.00	50.81
ATOM	2920	O	HOH	98	35.515	9.509	-3.558	1.00	56.70
ATOM	2923	O	HOH	99	38.933	9.503	-1.231	1.00	32.18
ATOM	2926	O	HOH	100	51.814	24.438	3.703	1.00	52.00
ATOM	2929	O	HOH	101	51.670	28.690	0.838	1.00	42.41
ATOM	2932	O	HOH	102	46.536	30.610	1.750	1.00	45.80
ATOM	2935	O	HOH	103	45.165	34.214	0.818	1.00	46.46
ATOM	2938	O	HOH	104	42.695	35.194	1.055	1.00	25.82
ATOM	2941	O	HOH	105	39.689	33.418	0.723	1.00	31.99
ATOM	2944	O	HOH	106	23.962	38.119	27.549	1.00	47.89
ATOM	2947	O	HOH	107	25.343	40.908	27.379	1.00	54.09
ATOM	2950	O	HOH	108	20.307	35.738	19.866	1.00	32.61
ATOM	2953	O	HOH	109	28.085	54.303	18.810	1.00	61.58

FIG. 7(56)

ATOM	2956	O	HOH	110	29.849	56.131	16.966	1.00	37.29
ATOM	2959	O	HOH	111	31.503	58.023	14.735	1.00	46.45
ATOM	2962	O	HOH	112	35.212	55.981	10.499	1.00	92.07
ATOM	2965	O	HOH	113	36.530	55.812	6.656	1.00	30.72
ATOM	2968	O	HOH	114	50.045	41.251	26.059	1.00	82.26
ATOM	2971	O	HOH	115	25.153	36.460	9.054	1.00	50.86
ATOM	2974	O	HOH	116	31.749	32.705	15.359	1.00	30.04
ATOM	2977	O	HOH	117	30.213	3.806	4.940	1.00	39.74
ATOM	2980	O	HOH	118	36.511	1.159	7.275	1.00	41.62
ATOM	2983	O	HOH	119	27.155	4.637	5.224	1.00	79.92
ATOM	2986	O	HOH	120	57.319	11.287	3.459	1.00	33.02
ATOM	2989	O	HOH	121	52.121	12.483	1.755	1.00	45.55
ATOM	2992	O	HOH	122	47.613	14.088	-5.021	1.00	41.01
ATOM	2995	O	HOH	123	57.550	26.628	16.551	1.00	30.62
ATOM	2998	O	HOH	124	32.338	10.125	23.559	1.00	35.48
ATOM	3001	O	HOH	125	31.065	5.698	3.273	1.00	42.74
ATOM	3004	O	HOH	126	32.603	4.523	1.410	1.00	33.30
ATOM	3007	O	HOH	127	34.394	2.617	4.702	1.00	42.12
ATOM	3010	O	HOH	128	37.961	10.373	-4.287	1.00	47.57
ATOM	3013	O	HOH	129	42.215	11.947	-6.970	1.00	45.13
ATOM	3016	O	HOH	130	46.307	8.952	-4.280	1.00	70.02
ATOM	3019	O	HOH	131	50.369	17.388	-3.277	1.00	42.22
ATOM	3022	O	HOH	132	47.231	21.866	22.930	1.00	50.84
ATOM	3025	O	HOH	133	45.362	17.669	27.147	1.00	48.06
ATOM	3028	O	HOH	134	27.005	23.141	18.124	1.00	49.65
ATOM	3031	O	HOH	135	45.726	12.511	-6.453	1.00	45.31
ATOM	3034	O	HOH	136	46.998	11.755	18.088	1.00	37.38
ATOM	3037	O	HOH	137	39.706	37.699	9.894	1.00	40.71
ATOM	3040	O	HOH	138	18.768	48.678	17.798	1.00	74.62
ATOM	3043	O	HOH	139	43.641	47.080	26.762	1.00	44.64
ATOM	3046	O	HOH	140	32.593	53.980	16.744	1.00	43.95
ATOM	3049	O	HOH	141	34.726	55.568	14.399	1.00	45.86
ATOM	3052	O	HOH	142	30.551	53.227	19.638	1.00	35.99
ATOM	3055	O	HOH	143	26.370	55.161	14.300	1.00	33.09
ATOM	3058	O	HOH	144	24.547	55.803	6.815	1.00	58.70
ATOM	3061	O	HOH	145	36.217	52.574	3.221	1.00	68.48
ATOM	3064	O	HOH	146	39.065	54.455	4.595	1.00	48.85
ATOM	3067	O	HOH	147	45.130	40.725	5.433	1.00	62.58
ATOM	3070	O	HOH	148	33.453	43.988	7.386	1.00	41.59
ATOM	3073	O	HOH	149	36.626	45.045	6.144	1.00	54.04

FIG. 7(57)

ATOM	3076	O	HOH	150	19.458	36.977	14.386	1.00	56.50
ATOM	3079	O	HOH	151	19.502	40.993	17.850	1.00	43.35
ATOM	3082	O	HOH	152	39.793	38.257	27.760	1.00	63.31
ATOM	3085	O	HOH	153	40.730	53.944	20.682	1.00	49.91
ATOM	3088	O	HOH	154	45.371	49.402	5.710	1.00	41.53
ATOM	3091	O	HOH	155	49.114	26.038	11.482	1.00	34.43
ATOM	3094	O	HOH	156	54.085	28.403	10.828	1.00	28.60
ATOM	3097	O	HOH	157	18.729	14.990	12.752	1.00	44.66
ATOM	3100	O	HOH	158	27.500	2.046	10.138	1.00	47.88
ATOM	3103	O	HOH	159	23.505	7.763	16.082	1.00	45.49
ATOM	3106	O	HOH	160	38.101	22.326	23.406	1.00	43.42
ATOM	3109	O	HOH	161	36.788	33.961	0.261	1.00	59.95
ATOM	3112	O	HOH	162	19.380	27.777	6.595	1.00	56.29
ATOM	3115	O	HOH	163	33.583	33.343	17.339	1.00	68.25
ATOM	3118	O	HOH	164	43.221	53.467	17.853	1.00	62.89
ATOM	3121	O	HOH	165	28.154	41.110	29.042	1.00	61.19
ATOM	3124	O	HOH	166	44.877	47.914	12.583	1.00	21.27
ATOM	3127	O	HOH	167	46.589	45.908	14.329	1.00	39.48
ATOM	3130	O	HOH	168	48.235	43.490	14.297	1.00	46.88
ATOM	3133	O	HOH	169	47.834	0.528	14.762	1.00	74.55
ATOM	3136	O	HOH	170	48.711	-2.009	16.386	1.00	52.45
ATOM	3139	O	HOH	171	41.210	0.396	17.381	1.00	58.05
ATOM	3142	O	HOH	172	43.837	1.538	17.483	1.00	72.30
ATOM	3145	O	HOH	173	41.780	-2.478	14.396	1.00	47.15
ATOM	3148	O	HOH	174	31.466	11.699	21.418	1.00	45.99
ATOM	3151	O	HOH	175	35.046	14.218	20.429	1.00	39.37
ATOM	3154	O	HOH	176	22.639	26.143	4.324	1.00	36.80
ATOM	3157	O	HOH	177	26.114	24.452	6.028	1.00	31.04
ATOM	3160	O	HOH	178	28.927	30.687	4.252	1.00	41.38
ATOM	3163	O	HOH	179	23.899	6.610	18.621	1.00	56.43
ATOM	3166	O	HOH	180	53.386	11.969	4.493	1.00	39.86
ATOM	3169	O	HOH	181	30.051	43.727	0.910	1.00	47.97
ATOM	3172	O	HOH	182	31.659	49.099	8.149	1.00	52.84